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# PROTOTYPE AUTOMATED IDENTIFICATION SYSTEM FOR PARACHUTES



By  
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13. ABSTRACT (Maximum 200 words)  This report documents the development and demonstration test of an automated identification system for parachutes. This system features a bar code tag which replaces the paper logbook used to record parachute data. Pack, repair and issue data are collected on portable readers and transferred to a computer for storage and report generation. The automated system was developed to prevent loss of data, eliminate duplication of effort, and provide a database to facilitate inventory forecasting and the determination of improved service life criteria.							
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## PREFACE

The purpose of this effort was to demonstrate the feasibility of a prototype automated identification system for parachutes. The objectives in developing this automated system were to: reduce labor; prevent loss of data; eliminate duplicated efforts; and provide the database necessary to develop improved parachute service life criteria.

The author wishes to thank the following:

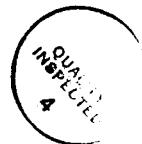
Jonathan Given, Plans and Systems Analysis Division (PSAD), Aero-Mechanical Engineering Directorate (AMED), for his assistance in testing the prototype automated identification system for parachutes.

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## PROTOTYPE AUTOMATED IDENTIFICATION SYSTEM FOR PARACHUTES

### INTRODUCTION

#### Background

In 1988, the U.S. Army Natick Research, Development and Engineering Center (Natick) identified a need to develop methods to enhance the capabilities of Army parachute packing facilities. Natick tasked the Manufacturing and Engineering Applications Center at Worcester Polytechnic Institute (WPI), Worcester, MA to make recommendations for improvements. They investigated automated identification technologies in various areas including: 1) radio frequency; 2) magnetic stripe; 3) bar codes; 4) optical character recognition; 5) vision; and 6) voice recognition.

WPI focussed its efforts on bar coding, the most widely applied technology of those considered, due to its low cost, proven technical feasibility, ease of use, and standardization. The other technologies researched suffered from insufficient memory, lack of maturity, lack of standard software, and high cost. WPI recommended a bar code system including labels, printers, hardware and software.

Professor Stephen Kwan of Boston's Northeastern University continued the investigation and found that WPI's recommended system had become outmoded. Dr. Kwan studied the manual parachute data recording system used at Fort Bragg, North Carolina, where there are several distant facilities dealing with over 36,000 parachutes. He proposed a local area network (LAN) bar code system to automatically track and manage parachutes. Further investigation revealed that parachute facilities at other military installations handle approximately 1000 parachutes in one building and would not require a LAN. We therefore developed a simplified version of Dr. Kwan's system to test the feasibility and benefits of the concept.

#### Objective

Our objective was to develop a prototype system (hardware and software) to automatically collect and store parachute data. We hoped the system would:

1. reduce labor;
2. prevent loss of data;
3. eliminate duplicated efforts; and
4. provide the data necessary to formulate improved service life criteria.

## **CURRENT MANUAL SYSTEM**

The current methods of collecting and storing parachute pack and repair data are totally manual. The data is recorded in DA Form 3912, a 3-inch-square log book containing 20 pages (see Appendix A). The parachute serial number, type, part number, date of manufacture, canopy contract number, date placed in service, station and unit are recorded on the inside cover. The log book is folded in thirds and stored in a riser pocket.

The T-10 and MC1 family of troop-type personnel parachutes have a maximum age life of 16.5 years and a maximum service life of 12 years. A chute's age life is the amount of time that has passed since it was manufactured. The service life is the amount of time that has elapsed since the day it was removed from its carton and "placed in service." If a parachute is manufactured 6.5 years before it is placed in service, its service life will be reduced to 10 years because of the age life limitation. Numbers of times used and conditions of use are not considered in determining a parachute's service life limit.

Before packing a personnel parachute, the packer must check the manufacture date and the date placed in service to verify that the chute has not exceeded its age or service life. Once a chute is packed it can remain on the shelf for up to 120 days before it has to be repacked. Therefore, if less than 120 days of service life remain when the dates are checked, the parachute will be retired. When the parachute is packed, the packer must record the pack date, deployment bag (d-bag) number, and his signature in the log book. An in-process inspection is then performed, and the in-process inspector (IP) also must sign the log book, as seen in Figure 1.

**JUMP, INSPECTION AND REPACK DATA**

**FIGURE 1. RECORD OF PACK DATA IN LOG BOOK**

A final inspector also inspects the chute and transfers the information recorded in the log book to the daily pack report (see Appendix B). When a chute requires repair, it is sent unpacked to the maintenance area where the type of repair, repairer, inspector and repair date must be written in the log book. The same information is duplicated on DA Form 2404, Equipment Inspection and Maintenance Worksheet (see Appendix C).

The log book sometimes gets separated from its parachute. When this happens, a new log book is started. The pack and repair history of the parachute is lost. Entries in the log book are often difficult to read due to indecipherable hand writing or exposure to water or sand.

When parachutes are issued for a mission, a Malfunction Officer/NCO Checklist is completed to record the following: mission date; drop zone name, location, and elevation; aircraft type, serial number, altitude, and speed; departure airfield; unit being airlifted; surface winds; visibility; type operation; and type parachutes used. Total quantities of parachutes issued are denoted on DD Form 1150, Request for Issue or Turn-in. Individual serial numbers are not listed on the form.

The current manual system of parachute data collection makes it impossible to determine the conditions of use for each parachute in a unit's inventory. It is quite likely that the log book will be lost during a parachute's 12 year service life, making it impossible to keep a record of all packs and repairs. In addition, there is no way to forecast inventory needs because no master list of pertinent parachute information is kept.

## PROTOTYPE AUTOMATED SYSTEM

An automated system to collect and store the parachute data could prevent loss of data, eliminate duplication of effort, and provide a database to facilitate inventory forecasting and the determination of improved service life criteria.

Our prototype automated identification system for parachutes replaces the paper log book with a laminated bar code tag. Pack, repair and issue data are collected on portable readers and transferred to a computer for storage and report generation. A complete list of items purchased for the prototype system can be found in Appendix D.

### Bar Coding

A bar code is a group of parallel bars (usually black) of varying widths separated by light spaces (usually white) of varying widths. Each bar and space stores a piece of information. A scanning device reads the bar code by moving a beam across the symbol and uses software to interpret its meaning.

An advantage of bar codes is that they were developed to be used by people with little or no technical knowledge. Other basic benefits include speed, accuracy and reliability.

Over 100 different bar code symbologies or "languages" have been created. But standardization in the bar code industry has reduced the number of symbologies that are used on a regular basis. The automotive, grocery, and health industries have chosen standard symbologies. The Department of Defense chartered the Logistics Applications of Automated Marking and Reading Systems (LOGMARS), which selected Code 39 as its standard symbology. Code 39 requires five bars and four spaces (three are wide and six are narrow) to represent a single character.

Code 39 has the following advantages:

**DISCRETE** - This means that it has gaps between characters, unlike continuous symbologies where the information is treated as one unit and must be printed as one unit, limiting the types of printers that can be used.

**SELF-CHECKING** - The ability to guard against undetected errors. A "read" is registered only if the entire code is scanned and if it has not been damaged by some physical means. Some codes need to add a check character, which increases the length of the bar code.

**ALPHANUMERIC**

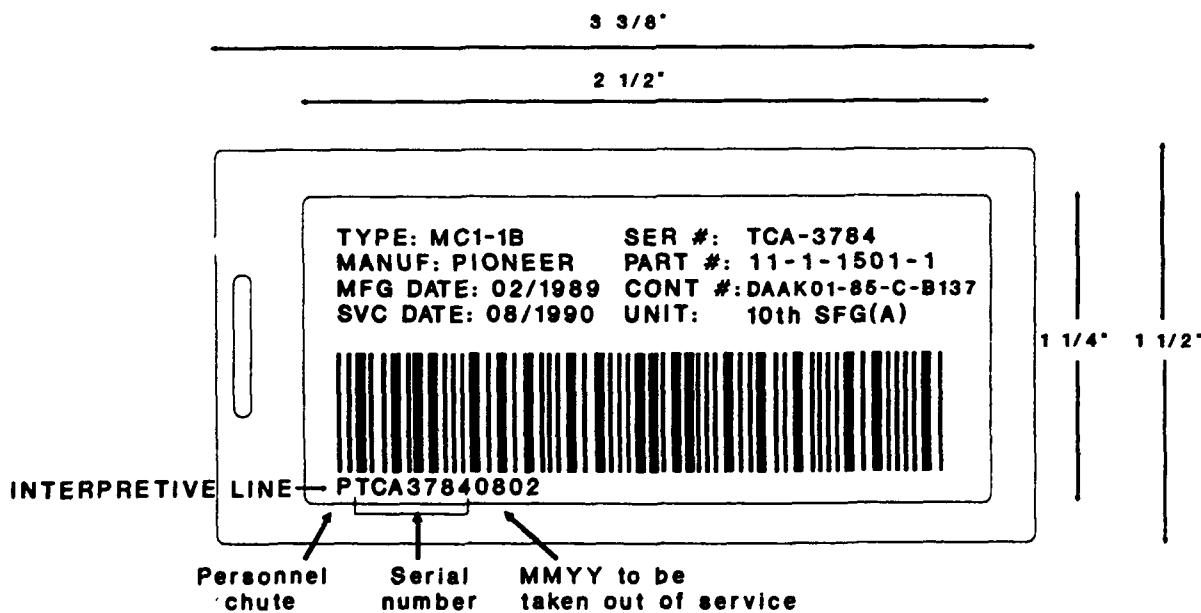
**FULL ASCII CAPABILITY**

**EASY TO PRINT**

**HIGH IMMUNITY TO SUBSTITUTION ERROR** - Substitution error rate is the ratio of the number of incorrect characters to the total number of entered characters.

**VARIABLE LENGTH** - Code 39 can encode as many characters as needed for the application. Fixed-length codes use a set number of characters in any bar code label created using that code. If the fixed length is eight characters, all bar coded items must have an eight character identification number. If they are currently twelve characters long, four characters must be taken off. If they are currently five characters long, three must be added.

The bar code tags created for the parachutes display the information found on the inside cover of the log book in human readable form. The bar code encodes a P to identify personnel chutes or a C to identify cargo chutes, followed by the parachute serial number and the two-digit month and two-digit year that the parachute should be taken out of service (for personnel chutes only). That information is displayed in human readable form in the interpretive line printed below the bar code. The bar code labels are then laminated and cut to size using a custom die cutter (see Figure 2 below).



**FIGURE 2. PARACHUTE BAR CODE LABEL DESIGN**

### Printer

The parachute data is added to the database on the computer and is then transferred to the INTERMEC 3000A thermal direct bar code printer for creation of the label. A thermal transfer adapter was installed on the printer because labels produced with thermal direct printers cannot be read by all readers and require the use of special heat sensitive paper which would not withstand the lamination process. Installation of the adapter alleviates these problems, resulting in labels resistant to darkening or fading from heat or light. Another advantage is the outstanding quality which makes it possible to print bar codes of high density, allowing more characters to fit on the label. The 3000A printer is compact (6.8" H x 9.3" W x 12.3" D, weighing 10 pounds), compatible with a variety of operating systems, and includes LabelWorks bar code label design software.

### Trakkers

The portable bar code reader selected for the prototype automated identification system for parachutes is the INTERMEC Trakker 9440. A bar code reader consists of a scanner and a decoder. The scanner produces the signal representing the bars and spaces of the bar code. The decoder converts the signal so that a computer will understand it. The trakker is compact, weighs only 16 ounces, and includes INTERMEC's Interactive Reader Language (IRL) software for the development of application programs. The trakker has 64K random access memory and self-contained battery packs which eliminate the need for bulky expansion units. A lithium battery pack provides backup for the application program and data collected, should the battery pack become discharged. The four line liquid crystal display provides the space to indicate prompts for the user.

The trakker supports a variety of input devices and its RS-232 interface allows for communication to computers. The input device purchased for the prototype system is the INTERMEC 1260 visible light wand capable of scanning high density bar codes. The wand is a contact bar code reading device which requires the user to actually touch the label with the tip of the wand while scanning. Hand-held wands (also called light pens) are the most commonly used bar code readers due to their low cost and variety of models. They are reliable and economic for scanning labels on a hard, flat surface such as that of our prototype parachute tag.

### Trakker programs

The trakker is autodiscriminate, meaning that it is able to read up to eleven different symbologies and automatically decode the label being scanned. But because we are using only Code 39, the trakkers were configured to read just that one symbology. Programs to collect pack, repair and issue data were developed using the IRL software.

### Issue program

The issue program collects the following data: mission number and parachute identification. The program was created to collect data to track the numbers and conditions of use for each individual parachute.

The issue program has four options: 1) record parachutes issued; 2) record parachutes returned undeployed; 3) transmit data; and 4) end.

Option 1 is used to scan each parachute before it is issued for a mission. The mission number must be input first. [The mission number is assigned when the data from the Malfunction Officer/NCO Checklist is first added to database on the computer using the "a" mission" option.] Each parachute bar code label is then scanned. The program verifies that each bar code label is a valid parachute identification and that the parachute has not yet reached its out of service date.

Option 2 is used to record any parachutes that are returned undeployed so that the issue record can be deleted from the database.

Option 3 is used to transmit the data from the trakker to the parachute database on the computer. This is accomplished using the trakker's RS-232 interface and selecting the "upload issue data" option on the computer. The computer sends a signal to the trakker to indicate it is ready to receive the data, and waits for the trakker to return the signal before transferring the data. When a file is transmitted to the computer, it is only copied. The data remains in the trakker file until a command is issued to erase it. Therefore, when the transfer is complete, the program asks the user if the data should be deleted from the trakker. This prevents any loss of data should a problem occur during the transfer.

### Pack program

The pack program collects the following data: packer, in-process inspector, final inspector, parachute identification, d-bag number, and date.

The pack program has four options: 1) record in-process inspection data; 2) record final inspection data; 3) transmit data; and 4) end.

The in-process inspector (IP) is responsible for collecting the in-process inspection data with option 1. The IP first scans his own identification bar code. The program verifies that the bar code label scanned is a valid IP identification. The IP then begins recording the data by scanning the parachute bar code. The program verifies that the bar code label scanned identifies a parachute and that the parachute has not yet reached its out of service date. The program also checks that the in-process inspection data has not yet been recorded for that parachute. The d-bag number is then entered using the keypad on the trakker. An error message results if the d-bag number entered has already been recorded for another parachute. The packer identification is then scanned and verified, completing the data collection for one parachute. The IP can continue collecting data for other parachutes without scanning his own identification bar code again.

The final inspector (FI) is responsible for recording the final inspection data with option 2. The FI first scans his own identification bar code. The program verifies that the bar code label scanned is a valid FI identification. He then scans the parachute bar codes and the program searches the file to match the final inspection data with the in-process inspection data. An error will result if an attempt is made to record the final inspection data before the in-process inspection data has been entered. The current date is appended to all transactions.

Option 3 is used to transmit the pack data to the computer in the same method discussed for the issue program.

#### Repair program

The repair program collects the following data: repairer, inspector, parachute identification, types of repair, and date.

The repair program has 3 options: 1) record repair and inspection data; 2) transmit data; and 3) end.

The repair inspector is responsible for recording the repair data using option 1. The inspector first scans his own identification bar code. The program verifies that the bar code scanned is a valid inspector identification. He then scans the identification of the person who made the parachute repairs, followed by the parachute bar code label. The program verifies that the bar code scanned identifies a parachute. An 8.5" by 11" laminated card, with a bar code representing each type of repair, was created for use in conjunction with the repair

program (see Appendix E). The inspector scans the appropriate repair bar code on the card. If necessary, the program will prompt the inspector to enter the gore, section, or line number by scanning the appropriate bar codes at the bottom of the laminated card. The inspector can continue recording repairs for one parachute until the F4 function key is pressed to scan a different parachute bar code.

Option 3 is used to transmit the repair data to the computer in the same method discussed for the issue program.

#### R:BASE Programs

The database and customized menu driven, user-friendly programs for the prototype automated identification system for parachutes were created using R:BASE relational database management software. A description of the database structure can be found in Appendix F. Figure 3 shows the prototype system menu tree.

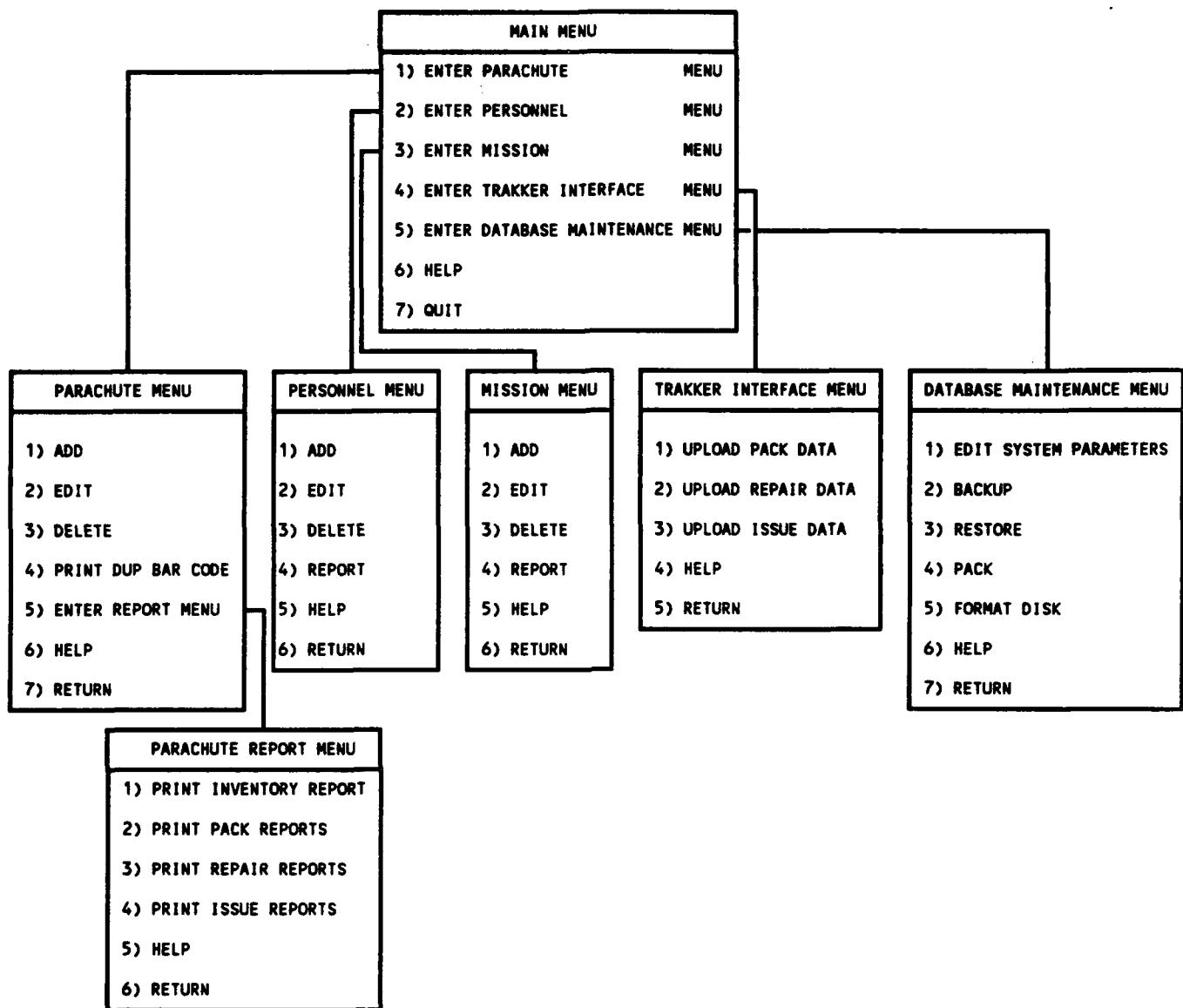


FIGURE 3. PROTOTYPE SYSTEM MENU TREE

The Parachute Menu is used to add the parachute data to the database for storage and creation of the bar code label. From the parachute menu, the user can enter the Parachute Report Menu which generates reports based on the data collected and transferred to the computer using the Trakker Interface Menu. Samples of parachute inventory, pack, repair and issue reports can be found in Appendix G. Mission data is entered using the Mission Menu. Sample mission reports also can be found in Appendix G.

## PROTOTYPE SYSTEM DEMONSTRATION TEST

Once the prototype automated identification system for parachutes was developed, it was tested under actual conditions at Fort Devens, Massachusetts. Personnel from the 10th Special Forces Group (SFG) (A) participated in the test. The facility at Fort Devens includes a packing area with five packing tables and one final inspection table, a maintenance area, a storage area, and a shakeout tower.

On average, 120 parachutes are issued for a mission at Fort Devens. We therefore decided to bar code 150 parachutes so that all parachutes issued for a mission would be bar coded. The parachute serial number, type, date of manufacture, manufacturer, canopy contract number, and date placed in service were added to the parachute database. Laminated bar code tags for each of the 150 parachutes were created at Natick and delivered to Fort Devens in March 1991 where they were attached to the parachutes using black waxed string, called "super-tack", for storage in the riser pockets (same storage location used for the log books). Collection of parachute data using the manual system continued during the test. We intended to compare the automated system to the manual system by timing and observing the steps in each process and reviewing the paperwork generated.

Training of the 10th SFG (A) only required an explanation of our objective in developing the prototype automated identification system, a brief description of bar codes, and instructions on the use of the portable trakkers and wands.

Due to Operation Desert Storm and Operation Provide Comfort, the aircraft available for training missions at Fort Devens was severely limited. Personnel shortages also were a problem during this time. Under normal circumstances, 7 to 10 missions take place each month. During our test period, 1 April to 31 July 1991, only 7 missions took place. Because some of the parachutes that were not bar coded had to be issued at various times so that they would not exceed their 120 day packed shelf life, an average of only 39 bar coded parachutes were issued for each mission.

### Test Results

The riggers had no problems using the trakkers to collect the parachute issue, pack, and repair data.

We recorded the time taken to collect issue data with the trakker. The average time required to scan each parachute was 7.34 seconds. Removing the parachute bar code tag from the riser pocket and replacing it after scanning accounts for the majority of the 7.34 seconds. Transferring the data to the computer took an average of .87 seconds per chute, and printing the issue report took an average of 1.25 seconds per chute.

During the pack process, we timed the following tasks required to manually record the pack data: verification of out of service date, entry of pack date, d-bag number and packer name, entry of IP signature, and completion of daily pack report. We also timed the following tasks required for the prototype automated system: scanning pack data (scan parachute bar code tag, enter d-bag number on keypad, scan packer identification badge), stamping pack date on back of parachute bar code tag, scanning parachutes at final inspection, uploading the data to the computer, and printing the parachute daily pack report. (The pack date had to be stamped on the back of the bar code tag because it is necessary to be able to determine the pack date at a glance. Chutes are arranged in the warehouse according to their pack date so that they can be issued before exceeding the 120 day limit.)

Table 1 shows the daily average times required for each of the tasks listed above, as well as average total time requirements for the manual and automated systems. Use of the prototype automated system saves approximately 11 seconds per parachute, which represents a 26% reduction. This time savings may have been slightly greater if turnover of those personnel operating the trakkers had not been so high. Additional time savings will most likely be realized by bar coding the d-bags, which was not done for the test phase but would be necessary for full implementation of an automated system.

More important benefits of the prototype automated identification system for parachutes include increased accuracy, elimination of duplicated efforts and the prevention of loss of data. Any data collected can be reported at any time in various formats. The automated system will also allow us to track the numbers and conditions of use for each parachute, which may provide criteria other than age for determining the service life of a parachute. It may also provide valuable information that can be put to use in the research and development of parachutes.

**TABLE 1. PACK DATA COLLECTION**

**MANUAL SYSTEM**

	Verify out of service date	Record pack data	Record IP signature	FI fill out daily pack report (average number of seconds per chute)
17 APR 1991	7.38	17.48	7.43	12.26
22 APR 1991	7.28	18.93	5.53	15.37
23 APR 1991	5.45	20.47	5.79	11.92
20 MAY 1991	*	16.58	5.05	13.84
21 MAY 1991	*	13.68	6.88	14.34
1 JUL 1991	6.00	16.22	5.65	9.62
2 JUL 1991	5.00	15.69	8.33	9.23
10 JUL 1991	4.33	18.36	3.58	17.84
25 JUL 1991	*	17.92	4.84	15.56
<b>N</b> <b>AVERAGE/CHUTE</b>	<b>160</b> <b>5.81</b>	<b>279</b> <b>17.29</b>	<b>254</b> <b>5.74</b>	<b>266</b> <b>13.33</b>
<b>AVERAGE TOTAL/CHUTE</b>	<b>42.16</b>			

**PROTOTYPE AUTOMATED SYSTEM**

	IP scan pack data	Stamp pack date	FI scan chutes	Upload data	Print pack report
17 APR 1991	27.31	6.77	9.27	2.33	3.06
22 APR 1991	21.02	6.00	7.20	2.33	1.93
23 APR 1991	18.89	4.20	4.73	2.33	4.18
20 MAY 1991	18.33	3.88	4.74	2.33	2.53
21 MAY 1991	19.00	4.47	4.66	2.33	1.76
1 JUL 1991	14.46	4.04	3.13	2.33	1.47
2 JUL 1991	11.46	3.33	3.54	2.33	3.85
10 JUL 1991	17.43	3.31	5.42	2.33	2.22
25 JUL 1991	13.24	4.17	3.06	2.33	1.46
<b>N</b> <b>AVERAGE/CHUTE</b>	<b>249</b> <b>17.58</b>	<b>148</b> <b>4.52</b>	<b>232</b> <b>4.69</b>	<b>265</b> <b>2.33</b>	<b>265</b> <b>2.06</b>
<b>AVERAGE TOTAL/CHUTE</b>	<b>31.19</b>				

**AVERAGE TIME SAVINGS RESULTING  
FROM USE OF PROTOTYPE AUTOMATED  
IDENTIFICATION SYSTEM FOR  
PARACHUTES**

**10.97** **SECONDS/CHUTE**

**PERCENTAGE TIME SAVINGS**

**26 %**

\* No date check required. All newer MC1-1C chutes packed on these days.

N = NUMBER OF OBSERVATIONS

We did not have the opportunity to collect much repair data using the trakker, since few of the bar coded parachutes required repair during the test period. The inspector just has to scan the appropriate repair bar code on the laminated card to record the repair. Certain types of repair also require entry of the gore number, section number or line number by scanning the numbers at the bottom of the card.

#### Questionnaire Results

Test participants were asked to fill out a questionnaire to provide feedback on the prototype automated identification system for parachutes.

The questionnaire solicited opinions on the ease or difficulty of handling the bar code tags and using the trakkers. The average rating on handling the bar code tags (inserting and removing from riser pocket, positioning and scanning at in-process and final inspections, etc.) falls between "neither easy nor difficult" to "moderately easy". The average rating on using the trakker and following the trakker program prompts falls between "somewhat easy" to "moderately easy".

The riggers were asked if they thought the prototype automated system was better than the paper log book system. In general, they agree that the automated system is an improvement over the current system. They feel that the automated system saves time and is easier to manage than the manual system. One commented that the automated system gives the in-process inspector the chance to take some of the workload off the packer, which is helpful on busy days. They also feel that the automated system will keep better records on the parachutes and prevent loss of data.

The riggers also were asked to list any features of the automated system they especially liked or disliked. In general, they think that the system is very easy to use. One commented that the system is great for issues and is helpful in identifying parachutes that should be taken out of service (expired service life). One in-process inspector noted that he dislikes having to share the trakker with the final inspector. (This is necessary in order to match the final inspection data with the in-process inspection data.)

Those personnel who deal with reporting parachute data on a regular basis were asked to review various reports and indicate their preferences. The reports differed in the format, but not in content. The reports included in Appendix G are shown in the preferred formats.

### Other Test Observations

1. Stitching had to be ripped so the bar code tags could fit into some of the riser pockets. As the bar code tags are cut to the same exact size with a custom die cutter, this can only mean that there is some irregularity in the size of the riser pockets.
2. Under the manual system, the FI must flip through the pages of the log book to find the d-bag number for the latest pack entry. The d-bag number is then recorded on the daily parachute pack report. He next turns to the inside cover of the log book to find the serial number so that it, too, can be recorded on the daily pack report. Flipping through the log book seems to be a nuisance, especially since it is folded in thirds.
3. None of the bar code tags were lost during the test period. The "super tack" used to tie the tags to the riser is stronger than the string used to tie the log books.
4. During the packing process, the trakker must be shared by the in-process inspector and the final inspector so the program can match the in-process and final inspection transactions for each parachute. The inspectors decided that instead of passing the trakker back and forth for each parachute, the IP would use the trakker to record all of the in-process inspections and the FI would wait until the end of the day to record the final inspections.
5. Because various personnel were deployed at times, different inspectors operated the trakkers on different days. Therefore, inspectors who had never used the trakkers took a little longer at first to collect the data than those who had used the trakkers before. But after only four or five transactions, they overcame the learning curve.

## CONCLUSIONS AND RECOMMENDATIONS

The prototype automated identification system for parachutes should be further developed and implemented. The test of the system demonstrated its feasibility and potential to reduce labor, eliminate duplicated effort and prevent loss of data. The data collected can be used to develop criteria other than age that can be helpful in determining the service life of a parachute. The data can also be useful in forecasting inventory needs.

INTERMEC equipment was judged the best suitable for the application at the time of our analysis and it performed well during the test. But the prototype automated identification system is not hardware dependent. If other hardware is considered for the fully-developed system, an economic analysis should be conducted before a final selection is made.

The prototype system is currently capable of collecting, storing, and reporting pack, issue and repair data and creating parachute bar code tags as described in the previous pages. The following paragraphs present issues that should be addressed, and recommended additions for an enhanced automated identification system for parachutes.

Ideally, the parachute manufacturers could create bar code labels for the chutes. The labels could be placed where the riser pocket is currently sewn on. They could either be laminated and stitched on, or they could slide into a pocket with a plastic front from which they could be scanned without being removed. If the tags do not have to be removed from the riser pockets more time can be saved during both the issue and pack processes. Another method of recording the pack date will have to be considered if the date stamp can no longer be used.

If the manufacturers do not create the bar code labels, they could be created at each parachute facility as they were for the test. We used a custom die cutter to cut the parachute bar code tags to size. This step could be eliminated by finding a vendor who would provide a laminate of the desired size.

If the bar code tags are created on site, keyboard data entry could be eliminated by using a wedge reader with a wand to scan laminated cards (similar to that created for types of repair) with bar codes identifying parachute manufacturers, type parachutes, dates and numbers. A wedge reader physically attaches to the side of the computer and converts a bar code signal into a keyboard signal which the computer is already able to read. Use of the wedge reader would reduce the time required to input the data and would also reduce errors made during keyboard entry.

Bar coding the reserve parachutes, deployment bags and cargo parachutes also needs to be addressed. Again, bar codes created by the manufacturers would be ideal, but they must be accessible after the chutes have been packed.

The issue of bar code tags for personnel identification requires further investigation. For the prototype test period, bar code tags which encoded the social security number and MOS were created for each person. Names were printed in human readable font below the bar codes. The packer badges were usually clipped to the end of the pack table where they could easily be scanned by the in-process inspector. Some of the packers expressed concern that a chute could be sabotaged and the wrong badge placed at the end of the table to be scanned. Other types of personnel identification badges will have to be considered. It may be necessary for the packers to wear their badges to ensure they are properly identified.

The parachutes should continue to be scanned at issue in order to collect the data necessary for developing additional criteria for determining parachute service life. This data could then be used to automatically generate DD Form 1150, Request for Issue or Turn-in. This form is currently filled out manually to record the total quantity of parachutes, reserve chutes and kit bags for a mission.

At most parachute facilities, the parachutes will be issued from the same building where they are packed, repaired and stored. At Fort Bragg, the parachutes are transferred from the pack facility to the marshalling area for issue. The trakker issue program may have to be modified to take this into account.

In addition to the data collected for personnel chutes, the data collected for cargo chutes should include the type of load and the number of additional parachutes used with that load.

When a parachute requires repair, a DD Form 1577-2, Unserviceable (Repairable) Tag-Materiel (Green) is filled out and attached to the chute before it is sent to repair. Instead of filling out this tag manually, the computer could be programmed to generate it. The user could enter the parachute serial number and scan the types of repairs required, and the computer could print the tag. The information could be stored to keep track of the pending repairs. Once the repairs are made, a repair status indicator could be changed from pending to completed.

There are other reports currently generated by hand by compiling pack and issue data collected over a period of a month or longer. The pack progress sheet tracks the number of parachutes packed by each person. It shows quantities brought forward as well as weekly, monthly and year-to-date totals of chutes packed. Another report tracks the number of missions and number of parachutes used for each mission. These reports could easily be computer generated by compiling the information collected on the trakkers.

There should also be a method of transferring the parachute data if a parachute is permanently transferred from one unit to another.

A method of archiving pack, issue and repair data must be developed for parachutes that have been taken out of service (either because they have reached their out of service date or because they have been damaged beyond economic repair). This should be done once the data is no longer required for various reports. The archived data can be used for determining additional service life criteria and for research and development purposes. Archiving data over a year old is also suggested. Columns can be added to the tables in the database to indicate total numbers of packs, issues, and repairs that have been archived.

Most importantly, personnel designated as potential users of the system should be involved in discussions of additional options or enhancements. As different versions of the software are developed, they should be demonstrated to the users who can provide comments and suggestions for improvement. The completed system must be designed to satisfy the user's needs.

**APPENDIX A**  
**Army Parachute Log Record, DA Form 3912**

**APPENDIX A**

## INSIDE COVERS

SERIAL NO. TCA-1207	STATION & UNIT (CONT)
TYPE MCI-1C	
PART NO. 11-1-1501-3	
DATE OF MFG. (MO & YR) DEC 88	
MANUFACTURER MILLS	
CANOPY CONTRACT NO. DAP K01-88D-0044	
MO/YR PLACED IN SERVICE April 89	
STATION & UNIT 10th SFG (A)	

**JUMP, INSPECTION AND REPACK DATA**

## ORGANIZATIONAL, FIELD & DEPOT REPAIR & INSPECTION DATA

**APPENDIX B**  
**Daily Parachute Pack Report**

## **DAILY PARACHUTE PACK REPORT**

### **APPENDIX B**

## **TYPE PARACHUTE**

FINAL

TABLE II

TABLE #2

IP	IP	IP	IP
PACKER	PACKER	PACKER	PACKER
S/N	B/N	S/N	S/N
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

TOTAL.

TOTAL, —

---

**TOTAL**

**TOTAL**

DATE \_\_\_\_\_

DAILY FOAL

TABLE #4

TABLE 3

22

**APPENDIX C**

**DA Form 2404 Equipment Inspection and Maintenance Worksheet**

## APPENDIX C

## DA FORM 2404 Equipment Inspection and Maintenance Worksheet

**APPENDIX D**

**Items for Automated Identification System for Parachutes**

APPENDIX D

ITEMS FOR AUTOMATED IDENTIFICATION SYSTEM FOR PARACHUTES

ITEM	PART NUMBER	QUAN	PRICE	TOTAL COST
ADAPTER, THERMAL TRANSFER	12-N3000ATTA	1	550.00	\$550.00
BATTERY CHARGER	12-N40ZA02	2	84.00	\$168.00
BATTERY, HI-CAPACITY NICAD	12-N048106	1	51.80	\$51.80
CABLE, 25-9 PIN, IBM/AT M-F	12-N048693	1	42.00	\$42.00
CABLE, AT 9440	12-N049330	1	42.00	\$42.00
CABLE, FOR WEDGE READER	12-N046986	1	35.00	\$35.00
CASE, TRAKKER CARRYING	12-N049639	3	31.50	\$94.50
CLIP, #1 MYLAR STRAP		50	0.24	\$12.10
* COMPUTER, COMPAQ DESKPRO 386s		1	3485.00	\$3,485.00
DIE CUTTER	MODEL 2050LA	1	508.00	\$508.00
** FAN, COOLING, 3000A	12-N3000AFAN	1	30.00	\$30.00
** LABELS, TTR, 1.25" X 2.5"	DIE #485	24	13.20	\$316.80
LAMINATING MACHINE	#6000CR	1	395.00	\$395.00
MANUAL, IRL	12-M048609	1	21.00	\$21.00
MANUAL, PC-IRL	12-M049212	1	21.00	\$21.00
MANUAL, TRAKKER	12-N049273	1	21.00	\$21.00
PC-IRL SOFTWARE	12-M049370	1	346.50	\$346.50
POUCH, CLEAR, 7 MIL	9" X 11.5"	50	1.40	\$70.00
POWER PACK, TRAKKER	12-N047793	2	21.00	\$42.00
PRINTER, COMPACT, THERMAL TR	12-M3000A	1	1695.00	\$1,695.00
RIBBONS, TTR	11-S049795	2	20.57	\$41.14
TAG, LUGGAGE SLOTTED, 10 MIL	2.5" X 4.375"	1000	0.16	\$158.00
*** TRAKKER, PORTABLE, 64K RAM	12-M9440B010201	1	970.20	\$970.20
****TRAKKER, PORTABLE, 64K RAM	12-M9440B010301	2	991.20	\$1,982.40
WAND, VISIBLE LIGHT DIGITAL	12-M1260A0101	4	126.00	\$504.00
WEDGE READER FOR PC	12-M9570B01	1	311.50	<u>\$311.50</u>
				<b>\$11,913.94</b>

NOTES:

- \* COMPUTER HAS 2 MB RAM, 40MB HARD DISK, 5 1/4" 1.2 MB FLOPPY DRIVE, 3 1/2" 1.44 MB FLOPPY DRIVE, 2 SERIAL PORTS, 2 PARALLEL PORTS, COLOR MONITOR, 40 MB TAPE BACKUP, MS-DOS 3.3
- \*\* PAPER LABELS
- \*\*\* STANDARD NI-CAD BATTERY (500 mA HOUR)
- \*\*\*\* HIGH CAPACITY NI-CAD BATTERY (1000 mA HOUR)

**APPENDIX E**  
**Repair Bar Codes**

APPENDIX E



ANTI INVERSION NET,  
REPAIR



ANTI INVERSION NET,  
REPLACE SECTION



BRIDLE LOOP,  
REPAIR



BRIDLE LOOP,  
REPLACE



GORE SECTION,  
DARN



GORE SECTION,  
PATCH, BASIC



GORE SECTION,  
PATCH, MISC



GORE SECTION,  
REPLACE



GORE SECTION,  
RESTITCH



LATERAL BAND,  
LOWER, REPAIR



LATERAL BAND,  
UPPER, REPAIR



POCKET BAND,  
REPAIR



POCKET BAND,  
REPLACE



RADIAL SEAM,  
PATCH, MISC



RADIAL SEAM,  
RESTITCH



RISER, LEFT  
REPLACE



RISER, RIGHT  
REPLACE



SUSPENSION LINE,  
REPAIR



SUSPENSION LINE,  
REPLACE



VENT CAP,  
DARN



VENT CAP,  
REPLACE



VENT CAP,  
RESTITCH



VENT LINE,  
REPAIR



VENT LINE,  
REPLACE



V-TAB,  
REPAIR



V-TAB,  
REPLACE



BER (BEYOND  
ECONOMIC REPAIR)



1



2



3



4



5



6



7



8



9



0



backspace



Enter

**APPENDIX F**  
**Parachute Database**

## APPENDIX F

### PARACHUTE DATABASE

Below is a list of some of the tables and fields included in the database for the prototype Automated Parachute Identification System. Other tables (not listed here) store system parameters, rules, reports and forms in the database.

The **PARACHUT** table stores all the pertinent parachute data.

#### FIELD NAME - DEFINITION

SERIALNO	- parachute serial number
BARCODE	- PCR from PARATAB table + serial number + OUTDATE
PARACODE	- from PARATAB table to identify type of chute
MFGDATE	- date parachute was manufactured
MFGCODE	- from MFGTAB table to identify manufacturer
CONTRACT	- number of manufacturer's contract
SVCDATE	- date parachute was placed in service
OUTDATE	- date parachute to be taken out of service (if personnel chute), calculated based on manufacture and service dates

The **PARATAB** table stores the parachute types and part numbers.

#### FIELD NAME - DEFINITION

PARACODE	- one character parachute code
PARATYPE	- type of parachute such as MC1-1B, T10-C, G-11A
PCR	- P for personnel chute, C for cargo chute
PARTNO	- part number

The **MFGTAB** table stores the parachute manufacturer data.

#### FIELD NAME - DEFINITION

MFGCODE	- one character manufacturer code
MFG	- manufacturer name

The **PACKHIST** table stores the parachute pack data.

#### FIELD NAME - DEFINITION

BARCODE	- parachute identification from PARACHUT table
DBAG	- deployment bag number
PACKER	- packer identification, SSNMOS from PERSONNE table
IP	- in-process inspector identification, SSNMOS from PERSONNE table
FI	- final inspector identification, SSNMOS from PERSONNE table
TRANDATE	- pack date

**APPENDIX F (cont'd)**

The **REPHIST** table stores the parachute repair data.

**FIELD NAME - DEFINITION**

BARCODE	- parachute identification from PARACHUT table
REPCODE	- repair code from REPTAB table to indicate type of repair
G/SLINE	- gore, section or line number if necessary
REPAIRER	- repairer identification, SSNMOS from PERSONNE table
INSPECTR	- inspector identification, SSNMOS from PERSONNE table
REPDATE	- repair date

The **REPTAB** table stores the parachute repair type data.

**FIELD NAME - DEFINITION**

REPCODE	- one character repair code
REPDESC	- repair description

The **MISSINFO** table stores the mission data.

**FIELD NAME - DEFINITION**

MISSNUM	- mission number
MISSDATE	- mission date
DZNAME	- drop zone name
DZLOCATE	- drop zone location
DZELFEET	- drop zone elevation
DZENVRMT	- drop zone environment, such as salt water, fresh water, sand, gravel, grass
DEPARFLD	- departure airfield
UNITLIFT	- unit being airlifted
TYPEAC	- type of aircraft
ACSERNO	- aircraft serial number
ACALTFT	- aircraft altitude
ACSPDKNT	- aircraft speed
SURWNKNT	- surface winds
VISMI	- visibility
TYPEOP	- type of operation
STATUS	- mission status, such as planned, completed

The **ISSHIST** table stores the parachute issue data.

**FIELD NAME - DEFINITION**

BARCODE	- parachute identification from PARACHUT table
MISSNUM	- mission number from MISSINFO table

The **PERSONNE** table stores the personnel data.

**FIELD NAME - DEFINITION**

SSN	- social security number
IDCARDNO	- military identification card number
LNAME	- last name
FNAME	- first name
RANK	- rank
MOS	- military occupational specialty
UNIT	- unit
SSNMOS	- SSN+MOS for personnel bar code identification

**APPENDIX G**  
**Sample Reports**

**APPENDIX G  
SAMPLE REPORTS**

- G-1 Parachute Inventory Report sorted by Serial Number**
- G-2 Parachute Inventory Report sorted by Type of Parachute**
- G-3 Parachute Inventory Report sorted by Out of Service Date**
- G-4 Parachute Pack Report for One Date**
- G-5 Parachute Pack Report for Range of Dates**
- G-6 Parachute Pack Report for One Parachute**
- G-7 Parachute Repair Report for One Date**
- G-8 Parachute Repair Report for Range of Dates**
- G-9 Parachute Repair Report for One Parachute**
- G-10 Parachute Issue Report for One Mission**
- G-11 Parachute Issue Report for One Parachute**
- G-12 Mission Report sorted by Mission Date**
- G-13 Mission Report sorted by Drop Zone Location**

SORTED BY: SERIAL NUMBER

SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC- TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
DA-75-115617	PDA1156170692	MC1-1B	11-1-1501-1	PIONEER	12/1975	04/1983	06/1992	DAAJ01-75-C-1102
DA-76-116052	PDA1160520792	MC1-1B	11-1-1501-1	MILLS	01/1976	03/1983	07/1992	DAAJ01-75-C-1102
DA-77-159318	PDA1593180193	MC1-1B	11-1-1501-1	MILLS	11/1977	01/1981	01/1993	DAAJ01-77-C-0282
DA-77-167278	PDA1672780993	MC1-1B	11-1-1501-1	MILLS	03/1977	03/1983	09/1993	DAAJ01-77-C-0347
DA-78-195741	PDA1957410393	MC1-1B	11-1-1501-1	MILLS	03/1978	03/1981	03/1993	DAAJ01-77-C-0886
DA-78-195811	PDA1958110493	MC1-1B	11-1-1501-1	MILLS	03/1978	04/1981	04/1993	DAAJ01-77-C-0884
DA-78-196802	PDA1968021094	MC1-1B	11-1-1501-1	MILLS	04/1978	09/1984	10/1994	DAAJ01-77-C-0884
DA-78-197229	PDA1972290494	MC1-1B	11-1-1501-1	MILLS	05/1978	04/1982	04/1994	DAAJ01-77-C-0884
DA-78-204170	PDA2041700993	MC1-1B	11-1-1501-1	PIONEER	08/1978	09/1981	09/1993	DAAJ01-78-C-0303
DA-78-204203	PDA2042030594	MC1-1B	11-1-1501-1	PIONEER	09/1978	05/1982	05/1994	DAAJ01-78-C-0303
DA-78-204275	PDA2042751093	MC1-1B	11-1-1501-1	MILLS	09/1978	10/1981	10/1993	DAAJ01-78-C-0303
DA-78-204570	PDA2045700395	MC1-1B	11-1-1501-1	PIONEER	09/1978	06/1984	03/1995	DAAJ01-78-C-0303
DA-78-204572	PDA2045720894	MC1-1B	11-1-1501-1	PIONEER	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-204616	PDA2046160894	MC1-1B	11-1-1501-1	MILLS	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-204637	PDA2046370894	MC1-1B	11-1-1501-1	PIONEER	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-205378	PDA2053780595	MC1-1B	11-1-1501-1	PIONEER	11/1978	02/1988	05/1995	DAAJ01-78-C-0303
DA-78-206478	PDA2064780193	MC1-1B	11-1-1501-1	MILLS	12/1978	01/1981	01/1993	DAAJ01-78-C-0303
DA-78-234438	PDA2344380894	MC1-1B	11-1-1501-1	MILLS	09/1978	08/1982	08/1994	DAAJ01-78-C-1418
DA-79-204574	PDA2045740993	MC1-1B	11-1-1501-1	PIONEER	09/1979	09/1981	09/1993	DAAJ01-78-C-0303
DA-79-204600	PDA2046000894	MC1-1B	11-1-1501-1	MILLS	09/1979	08/1982	08/1994	DAAJ01-78-C-0303
DA-79-208593	PDA2085931095	MC1-1B	11-1-1501-1	MILLS	04/1979	08/1985	10/1995	DAAJ01-78-C-0303
DA-79-208613	PDA2086131094	MC1-1B	11-1-1501-1	MILLS	04/1979	10/1982	10/1994	DAAK01-78-C-0303
DA-79-241536	PDA2415361194	MC1-1B	11-1-1501-1	MILLS	10/1979	11/1982	11/1994	DAAJ01-77-C-0408
DA-79-241647	PDA2416470496	MC1-1B	11-1-1501-1	MILLS	10/1979	08/1985	04/1996	DAAJ09-79-C-0250
DA-79-241793	PDA2417930596	MC1-1B	11-1-1501-1	MILLS	11/1979	08/1985	05/1996	DAAJ09-79-C-0250
DA-79-241905	PDA2419050596	MC1-1B	11-1-1501-1	MILLS	11/1979	08/1984	05/1996	DAAJ01-79-C-0250
DA-80-242766	PDA2427661293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
DA-80-242824	PDA2428241293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
DA-80-242999	PDA2429991293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
DA-80-245698	PDA2456980395	MC1-1B	11-1-1501-1	MILLS	04/1980	03/1983	03/1995	DAA509-78-C-0250
DA-83-54256	PDA542560897	MC1-1B	11-1-1501-1	MILLS	09/1983	08/1985	08/1997	DAAJ09-83-C-A817
DA-83-54267	PDA542670897	MC1-1B	11-1-1501-1	MILLS	09/1983	08/1985	08/1997	DAAJ09-83-C-A817
DA-83-54282	PDA542821295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ01-C-00-0887
DA-83-54291	PDA542911295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ09-83-C-A817
DA-83-54318	PDA543181295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ09-83-C-A817
TCA-1166	PTCA11660401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1168	PTCA11680401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1169	PTCA11690401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1174	PTCA11740401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1179	PTCA11790401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1180	PTCA11800401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1181	PTCA11810401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1182	PTCA11820401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1185	PTCA11850401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1187	PTCA11870401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1196	PTCA11960401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1198	PTCA11980401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1200	PTCA12000401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1202	PTCA12020401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1203	PTCA12030101	MC1-1C	11-1-1501-3	MILLS	12/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-1206	PTCA12060401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1207	PTCA12070401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044

SORTED BY: SERIAL NUMBER

SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC-TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
TCA-1210	PTCA12100401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1216	PTCA12160401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1222	PTCA12220401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1224	PTCA12240401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1225	PTCA12250401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1227	PTCA12270401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1228	PTCA12280401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1238	PTCA12380401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1239	PTCA12390401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1244	PTCA12440401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1246	PTCA12460401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1251	PTCA12510401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1258	PTCA12580401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1259	PTCA12590401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1264	PTCA12640401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1515	PTCA15150401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1516	PTCA15160101	MC1-1C	11-1-1501-3	MILLS	01/1989	01/1989	01/2001	DAAK01-88D-0044
TCA-1519	PTCA15190401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1520	PTCA15200401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1522	PTCA15220401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1536	PTCA15360401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1537	PTCA15370401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1538	PTCA15380401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1550	PTCA15500401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1551	PTCA15510401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1552	PTCA15520401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1572	PTCA15720401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1686	PTCA16860401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1711	PTCA17110401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1821	PTCA18210401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1857	PTCA18570401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1864	PTCA18640401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
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TCA-241	PTCA2410401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-338	PTCA3380101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-0044
TCA-342	PTCA3420101	MC1-1C	11-1-1501-3	MILLS	12/1988	01/1989	01/2001	DAAK01-88D-0044
TCA-343	PTCA3430101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-0044
TCA-352	PTCA3520101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-0044
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TCA-357	PTCA3570101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-0044
TCA-362	PTCA3620101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-0044
TCA-37	PTCA370101	MC1-1C	11-1-1501-3	MILLS	08/1988	01/1989	01/2001	DAAK01-88D-0044
TCA-3766	PTCA37660802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B13
TCA-3774	PTCA37740802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B13
TCA-3780	PTCA37800802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B13
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TCA-3797	PTCA37970802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B13
TCA-3802	PTCA38020802	MC1-1B	11-1-1501-1	MILLS	02/1989	08/1990	08/2002	DAAK01-85-C-B13
TCA-3809	PTCA38090802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B13
TCA-3815	PTCA38150802	MC1-1B	11-1-1501-1	MILLS	02/1989	08/1990	08/2002	DAAK01-85-C-B13
TCA-3820	PTCA38200802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B13
TCA-3827	PTCA38270802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B13

SORTED BY: SERIAL NUMBER

SERIAL NUMBER	BAR CODE	TYPE	PARACHUTE	PART NUMBER	MANUFAC- TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
TCA-3828	PTCA38280802	MC1-1B	11-1-1501-1	MILLS	02/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-3847	PTCA38470802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-3852	PTCA38520802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-3884	PTCA38840802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-3893	PTCA38930802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-3917	PTCA39170802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-395	PTCA3950101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-3960	PTCA39600802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-3970	PTCA39700802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4176	PTCA41760802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4187	PTCA41870802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4192	PTCA41920802	MC1-1B	11-1-1501-1	MILLS	05/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4201	PTCA42010802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4211	PTCA42110802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4217	PTCA42170802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4221	PTCA42210802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4301	PTCA43010802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4304	PTCA43040802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4306	PTCA43060802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4307	PTCA43070802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4326	PTCA43260802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4328	PTCA43280802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4329	PTCA43290802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4330	PTCA43300802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4335	PTCA43350802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4345	PTCA43450802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-3137	
TCA-4349	PTCA43490802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4350	PTCA43500802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4357	PTCA43570802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4368	PTCA43680802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-4370	PTCA43700802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137	
TCA-439	PTCA4390101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-441	PTCA4410101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-507	PTCA5070101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-508	PTCA5080101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-558	PTCA5580101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-594	PTCA5940101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-610	PTCA6100101	MC1-1C	11-1-1501-3	MILLS	08/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-626	PTCA6260101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-783	PTCA7830201	MC1-1C	11-1-1501-3	MILLS	11/1988	02/1989	02/2001	DAAK01-88D-D044	
TCA-786	PTCA7860101	MC1-1C	11-1-1501-3	MILLS	11/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-831	PTCA8310101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-834	PTCA8340101	MC1-1C	11-1-1501-3	MILLS	11/1988	01/1989	01/2001	DAAK01-88D-D044	
TCA-838	PTCA8380401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044	
TCA-859	PTCA8590201	MC1-1C	11-1-1501-3	MILLS	11/1988	02/1989	02/2001	DAAK01-88D-D044	
TCA-863	PTCA8630401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044	

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SORTED BY: TYPE OF PARACHUTE

SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC- TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
DA-75-115617	PDA1156170692	MC1-1B	11-1-1501-1	PIONEER	12/1975	04/1983	06/1992	DAAJ01-75-C-1102
DA-76-116052	PDA1160520792	MC1-1B	11-1-1501-1	MILLS	01/1976	03/1983	07/1992	DAAJ01-75-C-1102
DA-77-159318	PDA1593180193	MC1-1B	11-1-1501-1	MILLS	11/1977	01/1981	01/1993	DAAJ01-77-C-0282
DA-77-167278	PDA1672780993	MC1-1B	11-1-1501-1	MILLS	03/1977	03/1983	09/1993	DAAJ01-77-C-0347
DA-78-195741	PDA1957410393	MC1-1B	11-1-1501-1	MILLS	03/1978	03/1981	03/1993	DAAJ01-77-C-0886
DA-78-195811	PDA1958110493	MC1-1B	11-1-1501-1	MILLS	03/1978	04/1981	04/1993	DAAJ01-77-C-0884
DA-78-196802	PDA1968021094	MC1-1B	11-1-1501-1	MILLS	04/1978	09/1984	10/1994	DAAJ01-77-C-0884
DA-78-197229	PDA1972290494	MC1-1B	11-1-1501-1	MILLS	05/1978	04/1982	04/1994	DAAJ01-77-C-0884
DA-78-204170	PDA2041700993	MC1-1B	11-1-1501-1	PIONEER	08/1978	09/1981	09/1993	DAAJ01-78-C-0303
DA-78-204203	PDA2042030594	MC1-1B	11-1-1501-1	PIONEER	09/1978	05/1982	05/1994	DAAJ01-78-C-0303
DA-78-204275	PDA2042751093	MC1-1B	11-1-1501-1	MILLS	09/1978	10/1981	10/1993	DAAJ01-78-C-0303
DA-78-204570	PDA2045700395	MC1-1B	11-1-1501-1	PIONEER	09/1978	06/1984	03/1995	DAAJ01-78-C-0303
DA-78-204572	PDA2045720894	MC1-1B	11-1-1501-1	PIONEER	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-204616	PDA2046160894	MC1-1B	11-1-1501-1	MILLS	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-204637	PDA2046370894	MC1-1B	11-1-1501-1	PIONEER	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-205378	PDA2053780595	MC1-1B	11-1-1501-1	PIONEER	11/1978	02/1988	05/1995	DAAJ01-78-C-0303
DA-78-206478	PDA2064780193	MC1-1B	11-1-1501-1	MILLS	12/1978	01/1981	01/1993	DAAJ01-78-C-0303
DA-78-234438	PDA2344380894	MC1-1B	11-1-1501-1	MILLS	09/1978	08/1982	08/1994	DAAJ01-78-C-1418
DA-79-204574	PDA2045740993	MC1-1B	11-1-1501-1	PIONEER	09/1979	09/1981	09/1993	DAAJ01-78-C-0303
DA-79-204600	PDA2046000894	MC1-1B	11-1-1501-1	MILLS	09/1979	08/1982	08/1994	DAAJ01-78-C-0303
DA-79-208593	PDA2085931095	MC1-1B	11-1-1501-1	MILLS	04/1979	08/1985	10/1995	DAAJ01-78-C-0303
DA-79-208613	PDA2086131094	MC1-1B	11-1-1501-1	MILLS	04/1979	10/1982	10/1994	DAAK01-78-C-0303
DA-79-241536	PDA2415361194	MC1-1B	11-1-1501-1	MILLS	10/1979	11/1982	11/1994	DAAJ01-77-C-0408
DA-79-241647	PDA2416470496	MC1-1B	11-1-1501-1	MILLS	10/1979	08/1985	04/1996	DAAJ09-79-C-0250
DA-79-241793	PDA2417930596	MC1-1B	11-1-1501-1	MILLS	11/1979	08/1985	05/1996	DAAJ09-79-C-0250
DA-79-241905	PDA2419050596	MC1-1B	11-1-1501-1	MILLS	11/1979	08/1984	05/1996	DAAJ01-79-C-0250
DA-80-242766	PDA2427661293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
DA-80-242824	PDA2428241293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
DA-80-242999	PDA2429991293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
DA-80-245698	PDA2456980395	MC1-1B	11-1-1501-1	MILLS	04/1980	03/1983	03/1995	DAA509-78-C-0250
DA-83-54256	PDA542560897	MC1-1B	11-1-1501-1	MILLS	09/1983	08/1985	08/1997	DAAJ09-83-C-A817
DA-83-54267	PDA542670897	MC1-1B	11-1-1501-1	MILLS	09/1983	08/1985	08/1997	DAAJ09-83-C-A817
DA-83-54282	PDA542821295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ01-C-00-0887
DA-83-54291	PDA542911295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ09-83-C-A817
DA-83-54318	PDA543181295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ09-83-C-A817
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TCA-3780	PTCA37800802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
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TCA-3797	PTCA37970802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
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TCA-3809	PTCA38090802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3815	PTCA38150802	MC1-1B	11-1-1501-1	MILLS	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3820	PTCA38200802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3827	PTCA38270802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3828	PTCA38280802	MC1-1B	11-1-1501-1	MILLS	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3847	PTCA38470802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3852	PTCA38520802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3884	PTCA38840802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3893	PTCA38930802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3917	PTCA39170802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3960	PTCA39600802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137

SORTED BY: TYPE OF PARACHUTE

SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC-TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
TCA-3970	PTCA39700802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4176	PTCA41760802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4187	PTCA41870802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4192	PTCA41920802	MC1-1B	11-1-1501-1	MILLS	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4201	PTCA42010802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4211	PTCA42110802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4217	PTCA42170802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4221	PTCA42210802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4301	PTCA43010802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4304	PTCA43040802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4306	PTCA43060802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4307	PTCA43070802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4326	PTCA43260802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4328	PTCA43280802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4329	PTCA43290802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4330	PTCA43300802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4335	PTCA43350802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4345	PTCA43450802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-3137
TCA-4349	PTCA43490802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4350	PTCA43500802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4357	PTCA43570802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4368	PTCA43680802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4370	PTCA43700802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137

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TCA-1166	PTCA11660401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1168	PTCA11680401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1169	PTCA11690401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1174	PTCA11740401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1179	PTCA11790401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1180	PTCA11800401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1181	PTCA11810401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1182	PTCA11820401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1185	PTCA11850401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1187	PTCA11870401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1196	PTCA11960401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1198	PTCA11980401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1200	PTCA12000401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1202	PTCA12020401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1203	PTCA12030101	MC1-1C	11-1-1501-3	MILLS	12/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-1206	PTCA12060401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1207	PTCA12070401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1210	PTCA12100401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1216	PTCA12160401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1222	PTCA12220401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1224	PTCA12240401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1225	PTCA12250401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1227	PTCA12270401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1228	PTCA12280401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1238	PTCA12380401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1239	PTCA12390401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044

SORTED BY: TYPE OF PARACHUTE

SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC-TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
TCA-1244	PTCA12440401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-880-D044
TCA-1246	PTCA12460401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-880-D044
TCA-1251	PTCA12510401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-880-D044
TCA-1258	PTCA12580401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-880-D044
TCA-1259	PTCA12590401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-880-D044
TCA-1264	PTCA12640401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-880-D044
TCA-1515	PTCA15150401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1516	PTCA15160101	MC1-1C	11-1-1501-3	MILLS	01/1989	01/1989	01/2001	DAAK01-880-D044
TCA-1519	PTCA15190401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1520	PTCA15200401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1522	PTCA15220401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1536	PTCA15360401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1537	PTCA15370401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1538	PTCA15380401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1550	PTCA15500401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1551	PTCA15510401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1552	PTCA15520401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1572	PTCA15720401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1686	PTCA16860401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1711	PTCA17110401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1821	PTCA18210401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1857	PTCA18570401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1864	PTCA18640401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-1904	PTCA19040401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-880-D044
TCA-241	PTCA2410401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-880-D044
TCA-338	PTCA3380101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-880-D044
TCA-342	PTCA3420101	MC1-1C	11-1-1501-3	MILLS	12/1988	01/1989	01/2001	DAAK01-880-D044
TCA-343	PTCA3430101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-880-D044
TCA-352	PTCA3520101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-880-D044
TCA-353	PTCA3530101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-880-D044
TCA-357	PTCA3570101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-880-D044
TCA-362	PTCA3620101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-880-D044
TCA-37	PTCA370101	MC1-1C	11-1-1501-3	MILLS	08/1988	01/1989	01/2001	DAAK01-880-D044
TCA-395	PTCA3950101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-439	PTCA4390101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-441	PTCA4410101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-507	PTCA5070101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-508	PTCA5080101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-558	PTCA5580101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-594	PTCA5940101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-610	PTCA6100101	MC1-1C	11-1-1501-3	MILLS	08/1988	01/1989	01/2001	DAAK01-880-D044
TCA-626	PTCA6260101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-783	PTCA7830201	MC1-1C	11-1-1501-3	MILLS	11/1988	02/1989	02/2001	DAAK01-880-D044
TCA-786	PTCA7860101	MC1-1C	11-1-1501-3	MILLS	11/1988	01/1989	01/2001	DAAK01-880-D044
TCA-831	PTCA8310101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-880-D044
TCA-834	PTCA8340101	MC1-1C	11-1-1501-3	MILLS	11/1988	01/1989	01/2001	DAAK01-880-D044
TCA-838	PTCA8380401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-880-D044
TCA-859	PTCA8590201	MC1-1C	11-1-1501-3	MILLS	11/1988	02/1989	02/2001	DAAK01-880-D044
TCA-863	PTCA8630401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-880-D044

SUBTOTAL : 75

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SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC-TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
DA-75-115617	PDA1156170692	MC1-1B	11-1-1501-1	PIONEER	12/1975	04/1983	06/1992	DAAJ01-75-C-1102
								Subtotal : 1
DA-76-116052	PDA1160520792	MC1-1B	11-1-1501-1	MILLS	01/1976	03/1983	07/1992	DAAJ01-75-C-1102
								Subtotal : 1
DA-77-159318	PDA1593180193	MC1-1B	11-1-1501-1	MILLS	11/1977	01/1981	01/1993	DAAJ01-77-C-0282
DA-78-206478	PDA2064780193	MC1-1B	11-1-1501-1	MILLS	12/1978	01/1981	01/1993	DAAJ01-78-C-0303
								Subtotal : 2
DA-78-195741	PDA1957410393	MC1-1B	11-1-1501-1	MILLS	03/1978	03/1981	03/1993	DAAJ01-77-C-0886
								Subtotal : 1
DA-78-195811	PDA1958110493	MC1-1B	11-1-1501-1	MILLS	03/1978	04/1981	04/1993	DAAJ01-77-C-0884
								Subtotal : 1
DA-77-167278	PDA1672780993	MC1-1B	11-1-1501-1	MILLS	03/1977	03/1983	09/1993	DAAJ01-77-C-0347
DA-78-204170	PDA2041700993	MC1-1B	11-1-1501-1	PIONEER	08/1978	09/1981	09/1993	DAAJ01-78-C-0303
DA-79-204574	PDA2045740993	MC1-1B	11-1-1501-1	PIONEER	09/1979	09/1981	09/1993	DAAJ01-78-C-0303
								Subtotal : 3
DA-78-204275	PDA2042751093	MC1-1B	11-1-1501-1	MILLS	09/1978	10/1981	10/1993	DAAJ01-78-C-0303
								Subtotal : 1
DA-80-242766	PDA2427661293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
DA-80-242824	PDA2428241293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
DA-80-242999	PDA2429991293	MC1-1B	11-1-1501-1	MILLS	01/1980	12/1981	12/1993	DAAJ09-79-C-0250
								Subtotal : 3
DA-78-197229	PDA1972290494	MC1-1B	11-1-1501-1	MILLS	05/1978	04/1982	04/1994	DAAJ01-77-C-088-
								Subtotal : 1
DA-78-204203	PDA2042030594	MC1-1B	11-1-1501-1	PIONEER	09/1978	05/1982	05/1994	DAAJ01-78-C-0303
								Subtotal : 1
DA-78-204572	PDA2045720894	MC1-1B	11-1-1501-1	PIONEER	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-204616	PDA2046160894	MC1-1B	11-1-1501-1	MILLS	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-204637	PDA2046370894	MC1-1B	11-1-1501-1	PIONEER	09/1978	08/1982	08/1994	DAAJ01-78-C-0303
DA-78-234438	PDA2344380894	MC1-1B	11-1-1501-1	MILLS	09/1978	08/1982	08/1994	DAAJ01-78-C-1418
DA-79-204600	PDA2046000894	MC1-1B	11-1-1501-1	MILLS	09/1979	08/1982	08/1994	DAAJ01-78-C-0303
								Subtotal : 5

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SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC-TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
DA-78-196802	PDA1968021094	MC1-1B	11-1-1501-1	MILLS	04/1978	09/1984	10/1994	DAAJ01-77-C-0884
DA-79-208613	PDA2086131094	MC1-1B	11-1-1501-1	MILLS	04/1979	10/1982	10/1994	DAAK01-78-C-0303
								Subtotal : 2
DA-79-241536	PDA2415361194	MC1-1B	11-1-1501-1	MILLS	10/1979	11/1982	11/1994	DAAJ01-77-C-0408
								Subtotal : 1
DA-78-204570	PDA2045700395	MC1-1B	11-1-1501-1	PIONEER	09/1978	06/1984	03/1995	DAAJ01-78-C-0303
DA-80-245698	PDA2456980395	MC1-1B	11-1-1501-1	MILLS	04/1980	03/1983	03/1995	DAAS09-78-C-0250
								Subtotal : 2
DA-78-205378	PDA2053780595	MC1-1B	11-1-1501-1	PIONEER	11/1978	02/1988	05/1995	DAAJ01-78-C-0303
								Subtotal : 1
DA-79-208593	PDA2085931095	MC1-1B	11-1-1501-1	MILLS	04/1979	08/1985	10/1995	DAAJ01-78-C-0303
								Subtotal : 1
DA-83-54282	PDA542821295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ01-C-00-0887
DA-83-54291	PDA542911295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ09-83-C-A817
DA-83-54318	PDA543181295	MC1-1B	11-1-1501-1	MILLS	09/1983	12/1983	12/1995	DAAJ09-83-C-A817
								Subtotal : 3
DA-79-241647	PDA2416470496	MC1-1B	11-1-1501-1	MILLS	10/1979	08/1985	04/1996	DAAJ09-79-C-0250
								Subtotal : 1
DA-79-241793	PDA2417930596	MC1-1B	11-1-1501-1	MILLS	11/1979	08/1985	05/1996	DAAJ09-79-C-0250
DA-79-241905	PDA2419050596	MC1-1B	11-1-1501-1	MILLS	11/1979	08/1984	05/1996	DAAJ01-79-C-0250
								Subtotal : 2
DA-83-54256	PDA542560897	MC1-1B	11-1-1501-1	MILLS	09/1983	08/1985	08/1997	DAAJ09-83-C-A817
DA-83-54267	PDA542670897	MC1-1B	11-1-1501-1	MILLS	09/1983	08/1985	08/1997	DAAJ09-83-C-A817
								Subtotal : 2
TCA-1203	PTCA12030101	MC1-1C	11-1-1501-3	MILLS	12/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-1516	PTCA15160101	MC1-1C	11-1-1501-3	MILLS	01/1989	01/1989	01/2001	DAAK01-88D-D044
TCA-338	PTCA3380101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-342	PTCA3420101	MC1-1C	11-1-1501-3	MILLS	12/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-343	PTCA3430101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-352	PTCA3520101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-353	PTCA3530101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-D044

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SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC- TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
TCA-357	PTCA3570101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-362	PTCA3620101	MC1-1C	11-1-1501-3	MILLS	09/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-37	PTCA370101	MC1-1C	11-1-1501-3	MILLS	08/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-395	PTCA3950101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-439	PTCA4390101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-441	PTCA4410101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-507	PTCA5070101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-508	PTCA5080101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-558	PTCA5580101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-594	PTCA5940101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-610	PTCA6100101	MC1-1C	11-1-1501-3	MILLS	08/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-626	PTCA6260101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-786	PTCA7860101	MC1-1C	11-1-1501-3	MILLS	11/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-831	PTCA8310101	MC1-1C	11-1-1501-3	MILLS	10/1988	01/1989	01/2001	DAAK01-88D-D044
TCA-834	PTCA8340101	MC1-1C	11-1-1501-3	MILLS	11/1988	01/1989	01/2001	DAAK01-88D-D044
								SUBTOTAL : 22
TCA-783	PTCA7830201	MC1-1C	11-1-1501-3	MILLS	11/1988	02/1989	02/2001	DAAK01-88D-D044
TCA-859	PTCA8590201	MC1-1C	11-1-1501-3	MILLS	11/1988	02/1989	02/2001	DAAK01-88D-D044
								SUBTOTAL : 2
TCA-1166	PTCA11660401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1168	PTCA11680401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1169	PTCA11690401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1174	PTCA11740401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1179	PTCA11790401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1180	PTCA11800401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1181	PTCA11810401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1182	PTCA11820401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1185	PTCA11850401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1187	PTCA11870401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1196	PTCA11960401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1198	PTCA11980401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1200	PTCA12000401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1202	PTCA12020401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1206	PTCA12060401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1207	PTCA12070401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1210	PTCA12100401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1216	PTCA12160401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1222	PTCA12220401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1224	PTCA12240401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1225	PTCA12250401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1227	PTCA12270401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1228	PTCA12280401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1238	PTCA12380401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1239	PTCA12390401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1244	PTCA12440401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1246	PTCA12460401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1251	PTCA12510401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044
TCA-1258	PTCA12580401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-D044

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SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC- TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
TCA-1259	PTCA12590401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1264	PTCA12640401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-1515	PTCA15150401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1519	PTCA15190401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1520	PTCA15200401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1522	PTCA15220401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1536	PTCA15360401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1537	PTCA15370401	MC1-1C	11-1-1501-3	MILLS	01/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1538	PTCA15380401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1550	PTCA15500401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1551	PTCA15510401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1552	PTCA15520401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1572	PTCA15720401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1686	PTCA16860401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1711	PTCA17110401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1821	PTCA18210401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1857	PTCA18570401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1864	PTCA18640401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-1904	PTCA19040401	MC1-1C	11-1-1501-3	MILLS	02/1989	04/1989	04/2001	DAAK01-88D-0044
TCA-241	PTCA2410401	MC1-1C	11-1-1501-3	MILLS	12/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-838	PTCA8380401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-0044
TCA-863	PTCA8630401	MC1-1C	11-1-1501-3	MILLS	11/1988	04/1989	04/2001	DAAK01-88D-0044

SUBTOTAL : 51

TCA-3766	PTCA37660802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3774	PTCA37740802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3780	PTCA37800802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3784	PTCA37840802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3797	PTCA37970802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3802	PTCA38020802	MC1-1B	11-1-1501-1	MILLS	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3809	PTCA38090802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3815	PTCA38150802	MC1-1B	11-1-1501-1	MILLS	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3820	PTCA38200802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3827	PTCA38270802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3828	PTCA38280802	MC1-1B	11-1-1501-1	MILLS	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3847	PTCA38470802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3852	PTCA38520802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3884	PTCA38840802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3893	PTCA38930802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3917	PTCA39170802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3960	PTCA39600802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-3970	PTCA39700802	MC1-1B	11-1-1501-1	PIONEER	02/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4176	PTCA41760802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4187	PTCA41870802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4192	PTCA41920802	MC1-1B	11-1-1501-1	MILLS	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4201	PTCA42010802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4211	PTCA42110802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4217	PTCA42170802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4221	PTCA42210802	MC1-1B	11-1-1501-1	PIONEER	05/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4301	PTCA43010802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4304	PTCA43040802	MC1-1B	11-1-1501-1	PIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137

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SERIAL NUMBER	BAR CODE	TYPE PARACHUTE	PART NUMBER	MANUFAC- TURER	DATE OF MANUFACTURE	PLACED IN SERVICE	OUT OF SERVICE	CONTRACT NUMBER
TCA-4306	PTCA43060802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4307	PTCA43070802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4326	PTCA43260802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4328	PTCA43280802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4329	PTCA43290802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4330	PTCA43300802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4335	PTCA43350802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4345	PTCA43450802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-3137
TCA-4349	PTCA43490802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4350	PTCA43500802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4357	PTCA43570802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4368	PTCA43680802	MC1-1B	11-1-1501-1	MILLS	06/1989	08/1990	08/2002	DAAK01-85-C-B137
TCA-4370	PTCA43700802	MC1-1B	11-1-1501-1	PIIONEER	06/1989	08/1990	08/2002	DAAK01-85-C-B137

SUBTOTAL : 40

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FOR DATE: 07/01/1991

BARCODE	SERIAL NUMBER	TYPE	D-BAG	PACKER	IN PROCESS INSPECTOR	FINAL INSPECTOR
PDA1593180193	DA-77-159318	MC1-1B	D120803	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PDA1957410393	DA-78-195741	MC1-1B	D027017	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PDA1968021094	DA-78-196802	MC1-1B	D054245	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PDA2042030594	DA-78-204203	MC1-1B	D120165	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PDA542911295	DA-83-54291	MC1-1B	D004346	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA11810401	TCA-1181	MC1-1C	D003766	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA11850401	TCA-1185	MC1-1C	D123263	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA12060401	TCA-1206	MC1-1C	D120455	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA12380401	TCA-1238	MC1-1C	D004201	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA12390401	TCA-1239	MC1-1C	D115339	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA15160101	TCA-1516	MC1-1C	D118680	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA15720401	TCA-1572	MC1-1C	D026613	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA18570401	TCA-1857	MC1-1C	D003975	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA2410401	TCA-241	MC1-1C	D004329	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA37740802	TCA-3774	MC1-1B	D079266	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA38090802	TCA-3809	MC1-1B	D067300	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA38470802	TCA-3847	MC1-1B	D119220	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PTCA43010802	TCA-4301	MC1-1B	D072087	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON
PDA2427661293	DA-80-242766	MC1-1B	D119011	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PDAS42670897	DA-83-54267	MC1-1B	D003863	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA12020401	TCA-1202	MC1-1C	D027019	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA12070401	TCA-1207	MC1-1C	D136353	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA12220401	TCA-1222	MC1-1C	D004200	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA12240401	TCA-1224	MC1-1C	D073315	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA12250401	TCA-1225	MC1-1C	D064263	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA15220401	TCA-1522	MC1-1C	D034397	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA15500401	TCA-1550	MC1-1C	D074488	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA19040401	TCA-1904	MC1-1C	D003815	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA37660802	TCA-3766	MC1-1B	D072093	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA37800802	TCA-3780	MC1-1B	D120208	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA38280802	TCA-3828	MC1-1B	D026596	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA39600802	TCA-3960	MC1-1B	D072153	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA39700802	TCA-3970	MC1-1B	D003800	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA42010802	TCA-4201	MC1-1B	D073028	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA43040802	TCA-4304	MC1-1B	D119329	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA43500802	TCA-4350	MC1-1B	D118667	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA43700802	TCA-4370	MC1-1B	D029583	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PTCA8590201	TCA-859	MC1-1C	D005500	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON
PDA1160520792	DA-76-116052	MC1-1B	D073075	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PDA1672780993	DA-77-167278	MC1-1B	D073056	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PDA2053780595	DA-78-205378	MC1-1B	D018738	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PDA2064780193	DA-78-206478	MC1-1B	D118695	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PDA2086131094	DA-79-208613	MC1-1B	D126807	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PDA2456980395	DA-80-245698	MC1-1B	D119543	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PDA542821295	DA-83-54282	MC1-1B	D034572	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PDA543181295	DA-83-54318	MC1-1B	D119007	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA11680401	TCA-1168	MC1-1C	D078012	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA11980401	TCA-1198	MC1-1C	D029890	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA12030101	TCA-1203	MC1-1C	D118580	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA12460401	TCA-1246	MC1-1C	D119001	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA12590401	TCA-1259	MC1-1C	D115310	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA15520401	TCA-1552	MC1-1C	D118740	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA16860401	TCA-1686	MC1-1C	D027012	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA17110401	TCA-1711	MC1-1C	D119532	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON

FOR DATE: 07/01/1991

BARCODE	SERIAL NUMBER	TYPE	IN PROCESS INSPECTOR			FINAL INSPECTOR
			D-BAG	PACKER	IN PROCESS INSPECTOR	
PTCA18210401	TCA-1821	MC1-1C	D120421	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA3420101	TCA-342	MC1-1C	D119326	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA38150802	TCA-3815	MC1-1B	D120451	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA42210802	TCA-4221	MC1-1B	D120378	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA43260802	TCA-4326	MC1-1B	D011890	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON
PTCA8380401	TCA-838	MC1-1C	D003911	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON

---- END OF REPORT ---- 60 PARACHUTES PACKED

PACKER : # CHUTES PACKED

CPL M HEARN 18  
CPL S FORRISTER 20  
SPC J STEVENSON 22

IP : # CHUTES INSPECTED

SGT E GOMEZ 60

FI : # CHUTES INSPECTED

SGT M ANDERSON 60

FOR DATES: 07/01/1991 TO 07/31/1991

BARCODE	SERIAL NUMBER	TYPE	D-BAG	PACKER	IN PROCESS INSPECTOR	FINAL INSPECTOR	PACK DATE
PDA1593180193	DA-77-159318	MC1-1B	D120803	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA1957410393	DA-78-195741	MC1-1B	D027017	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA1968021094	DA-78-196802	MC1-1B	D054245	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA2042030594	DA-78-204203	MC1-1B	D120165	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA542911295	DA-83-54291	MC1-1B	D004346	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA11810401	TCA-1181	MC1-1C	D003766	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA11850401	TCA-1185	MC1-1C	D123263	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12060401	TCA-1206	MC1-1C	D120455	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12380401	TCA-1238	MC1-1C	D004201	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12390401	TCA-1239	MC1-1C	D115339	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA15160101	TCA-1516	MC1-1C	D118680	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA15720401	TCA-1572	MC1-1C	D026613	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA18570401	TCA-1857	MC1-1C	D003975	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA2410401	TCA-241	MC1-1C	D004329	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA37740802	TCA-3774	MC1-1B	D079266	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA38090802	TCA-3809	MC1-1B	D067300	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA38470802	TCA-3847	MC1-1B	D119220	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA43010802	TCA-4301	MC1-1B	D072087	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA2427661293	DA-80-242766	MC1-1B	D119011	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA542670897	DA-83-54267	MC1-1B	D003863	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12020401	TCA-1202	MC1-1C	D027019	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12070401	TCA-1207	MC1-1C	D136353	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12220401	TCA-1222	MC1-1C	D004200	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12240401	TCA-1224	MC1-1C	D073315	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12250401	TCA-1225	MC1-1C	D064263	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA15220401	TCA-1522	MC1-1C	D034397	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA15500401	TCA-1550	MC1-1C	D074488	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA19040401	TCA-1904	MC1-1C	D003815	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA37660802	TCA-3766	MC1-1B	D072093	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA37800802	TCA-3780	MC1-1B	D120208	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA38280802	TCA-3828	MC1-1B	D026596	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA39600802	TCA-3960	MC1-1B	D072153	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA39700802	TCA-3970	MC1-1B	D003800	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA42010802	TCA-4201	MC1-1B	D073028	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA43040802	TCA-4304	MC1-1B	D119329	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA43500802	TCA-4350	MC1-1B	D118667	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA43700802	TCA-4370	MC1-1B	D029583	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA8590201	TCA-859	MC1-1C	D005500	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA1160520792	DA-76-116052	MC1-1B	D073075	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA1672780993	DA-77-167278	MC1-1B	D073056	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA2053780595	DA-78-205378	MC1-1B	D018738	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA2064780193	DA-78-206478	MC1-1B	D118695	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA2086131094	DA-79-208613	MC1-1B	D126807	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA2456980395	DA-80-245698	MC1-1B	D119543	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA542821295	DA-83-54282	MC1-1B	D034572	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PDA543181295	DA-83-54318	MC1-1B	D119007	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA11680401	TCA-1168	MC1-1C	D078012	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA11980401	TCA-1198	MC1-1C	D029890	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12030101	TCA-1203	MC1-1C	D118580	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12460401	TCA-1246	MC1-1C	D119001	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA12590401	TCA-1259	MC1-1C	D115310	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA15520401	TCA-1552	MC1-1C	D118740	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA16860401	TCA-1686	MC1-1C	D027012	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991
PTCA17110401	TCA-1711	MC1-1C	D119532	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991

FOR DATES: 07/01/1991 TO 07/31/1991

BARCODE	SERIAL NUMBER	TYPE	PARACHUTE	D-BAG	PACKER	IN PROCESS INSPECTOR	FINAL INSPECTOR	PACK DATE
PTCA18210401	TCA-1821	MC1-1C	D120421	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991	
PTCA3420101	TCA-342	MC1-1C	D119326	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991	
PTCA38150802	TCA-3815	MC1-1B	D120451	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991	
PTCA42210802	TCA-4221	MC1-1B	D120378	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991	
PTCA43260802	TCA-4326	MC1-1B	D011890	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991	
PTCA8380401	TCA-838	MC1-1C	D003911	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/01/1991	
PDA2042751093	DA-78-204275	MC1-1B	D003854	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA37840802	TCA-3784	MC1-1B	D109533	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA42170802	TCA-4217	MC1-1B	D066341	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA43280802	TCA-4328	MC1-1B	D213607	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PDA1972290494	DA-78-197229	MC1-1B	D120088	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA37970802	TCA-3797	MC1-1B	D003915	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA38270802	TCA-3827	MC1-1B	D126815	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA42110802	TCA-4211	MC1-1B	D035009	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA43680802	TCA-4368	MC1-1B	D150437	CPL S FORRISTER	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PDA2041700993	DA-78-204170	MC1-1B	D120804	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PDA2415361194	DA-79-241536	MC1-1B	D064249	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA38930802	TCA-3893	MC1-1B	D003798	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PTCA43060802	TCA-4306	MC1-1B	D119339	SPC J STEVENSON	SGT E GOMEZ	SGT M ANDERSON	07/02/1991	
PDA1958110493	DA-78-195811	MC1-1B	D119546	CPL J HASLOCK	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2045700395	DA-78-204570	MC1-1B	D005468	CPL J HASLOCK	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2416470496	DA-79-241647	MC1-1B	D003846	CPL J HASLOCK	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2417930596	DA-79-241793	MC1-1B	D027011	CPL J HASLOCK	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2429991293	DA-80-242999	MC1-1B	D071695	CPL J HASLOCK	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA41760802	TCA-4176	MC1-1B	D073047	CPL J HASLOCK	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA41920802	TCA-4192	MC1-1B	D119021	CPL J HASLOCK	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA43290802	TCA-4329	MC1-1B	D003884	CPL J HASLOCK	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA1156170692	DA-75-115617	MC1-1B	D119008	CPL M HEARN	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2046370894	DA-78-204637	MC1-1B	D072164	CPL M HEARN	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA38020802	TCA-3802	MC1-1B	D119201	CPL M HEARN	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA39170802	TCA-3917	MC1-1B	D118578	CPL M HEARN	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA41870802	TCA-4187	MC1-1B	D004314	CPL M HEARN	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA43070802	TCA-4307	MC1-1B	D027083	CPL M HEARN	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2045720894	DA-78-204572	MC1-1B	D120204	SPC J STEVENSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2046160894	DA-78-204616	MC1-1B	D118741	SPC J STEVENSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2045740993	DA-79-204574	MC1-1B	D074729	SPC J STEVENSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2046000894	DA-79-204600	MC1-1B	D119331	SPC J STEVENSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA38520802	TCA-3852	MC1-1B	D119010	SPC J STEVENSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA43450802	TCA-4345	MC1-1B	D003828	SPC J STEVENSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2085931095	DA-79-208593	MC1-1B	D033306	SPC K DAWSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA2428241293	DA-80-242824	MC1-1B	D120813	SPC K DAWSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PDA542560897	DA-83-54256	MC1-1B	D069190	SPC K DAWSON	CPL J VAZQUEZ	SGT J CARPENTER	07/11/1991	
PTCA11680401	TCA-1168	MC1-1C	D034383	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA11740401	TCA-1174	MC1-1C	D063024	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA11850401	TCA-1185	MC1-1C	D120099	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA12070401	TCA-1207	MC1-1C	D056816	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA12250401	TCA-1225	MC1-1C	D054890	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA12270401	TCA-1227	MC1-1C	D072088	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA12280401	TCA-1228	MC1-1C	D120024	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA12440401	TCA-1244	MC1-1C	D118659	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA12460401	TCA-1246	MC1-1C	D003669	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA18210401	TCA-1821	MC1-1C	D115323	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA19040401	TCA-1904	MC1-1C	D005517	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	
PTCA2410401	TCA-241	MC1-1C	D118336	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991	

BARCODE	SERIAL NUMBER	TYPE	D-BAG	PACKER	IN PROCESS INSPECTOR	FINAL INSPECTOR	PACK DATE
PTCA3430101	TCA-343	MC1-1C	D109588	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA3530101	TCA-353	MC1-1C	D119003	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA3620101	TCA-362	MC1-1C	D069082	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA6100101	TCA-610	MC1-1C	D115321	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA7860101	TCA-786	MC1-1C	D074732	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA8590201	TCA-859	MC1-1C	D119207	CPL M HEARN	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA11790401	TCA-1179	MC1-1C	D130295	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA11810401	TCA-1181	MC1-1C	D018580	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA11820401	TCA-1182	MC1-1C	D118115	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA11960401	TCA-1196	MC1-1C	D120455	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA12030101	TCA-1203	MC1-1C	D071622	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA12060401	TCA-1206	MC1-1C	D120475	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA12240401	TCA-1224	MC1-1C	D026588	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA12390401	TCA-1239	MC1-1C	D005636	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA15190401	TCA-1519	MC1-1C	D064996	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA15500401	TCA-1550	MC1-1C	D005310	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA15720401	TCA-1572	MC1-1C	D004329	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA16860401	TCA-1686	MC1-1C	D029550	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA17110401	TCA-1711	MC1-1C	D120816	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA3420101	TCA-342	MC1-1C	D118661	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA3570101	TCA-357	MC1-1C	D063891	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA5080101	TCA-508	MC1-1C	D035050	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA5580101	TCA-558	MC1-1C	D073315	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA5940101	TCA-594	MC1-1C	D120029	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991
PTCA8340101	TCA-834	MC1-1C	D074740	SPC J STEVENSON	CPL J VAZQUEZ	CPL D WILBURN	07/25/1991

----- END OF REPORT ----- 133 PARACHUTES PACKED

PACKER : # CHUTES PACKED

CPL J HASLOCK	8
CPL M HEARN	46
CPL S FORRISTER	25
SPC J STEVENSON	51
SPC K DAWSON	3

IP : # CHUTES INSPECTED

CPL J VAZQUEZ	60
SGT E GOMEZ	73

FI : # CHUTES INSPECTED

CPL D WILBURN	37
SGT J CARPENTER	23
SGT M ANDERSON	73

DATE : # CHUTES PACKED

07/01/1991	60
07/02/1991	13
07/11/1991	23
07/25/1991	37

BAR CODE: PDA2042030594  
SERIAL NUMBER: DA-78-204203  
TYPE PARACHUTE: MC1-1B  
MANUFACTURE DATE: 09/01/1978  
SERVICE DATE: 05/01/1982  
OUT OF SERVICE DATE: 05/01/1994  
MANUFACTURER: PIONEER  
CONTRACT NUMBER: DAAJ01-78-C-0303

D-BAG	PACKER	IN PROCESS INSPECTOR	FINAL INSPECTOR	PACK DATE
D392641	SPC J STEVENSON	CPL L GOMEZ	SGT E GOMEZ	04/17/1991
D029842	CPL M JENKINS	SSG W LOVELY	SPC S HILL	05/21/1991
D120165	CPL M HEARN	SGT E GOMEZ	SGT M ANDERSON	07/01/1991

----- END OF REPORT ----- THIS PARACHUTE HAS BEEN PACKED 3 TIMES.

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G-7 PARACHUTE REPAIR REPORT

08/08/1991  
PAGE: 1

FOR DATE : 04/02/1991

BAR CODE	SERIAL NUMBER	TYPE PARACHUTE	TYPE OF REPAIR	GORE/		INSPECTOR
				SEC OR	LINE # REPAIRER	
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, BASIC	G11S3	CPL L GOMEZ	SPC J STEVENSON
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, BASIC	G16S3	CPL L GOMEZ	SPC J STEVENSON
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, BASIC	G20S3	CPL L GOMEZ	SPC J STEVENSON
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, BASIC	G9S2	CPL L GOMEZ	SPC J STEVENSON
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, MISC	G12S2	CPL L GOMEZ	SPC J STEVENSON
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, MISC	G9S1	CPL L GOMEZ	SPC J STEVENSON
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, MISC	G9S2	CPL L GOMEZ	SPC J STEVENSON
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, MISC	G24S2	CPL L GOMEZ	SPC J ALMEIDARAMIREZ
PTCA43290802	TCA-4329	MC1-1B	GORE SECTION, DARN	G23S3	CPL L GOMEZ	SPC J ALMEIDARAMIREZ

----- END OF REPORT ----- 10 PARACHUTE REPAIRS

REPAIRER : # REPAIRS

CPL L GOMEZ 10

INSPECTOR : # REPAIRS

SPC J ALMEIDARAMIREZ 2  
SPC J STEVENSON 8

TYPES AND NUMBERS OF REPAIRS

GORE SECTION, DARN 1  
GORE SECTION, PATCH, BASIC 5  
GORE SECTION, PATCH, MISC 4

BAR CODE	SERIAL NUMBER	CHUTE	TYPE OF REPAIR	GORE/		INSPECTOR	DATE
				TYPE	SEC OR		
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, BASIC	G11S3	CPL L GOMEZ	SPC J STEVENSON	04/02/1991
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, BASIC	G16S3	CPL L GOMEZ	SPC J STEVENSON	04/02/1991
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, BASIC	G20S3	CPL L GOMEZ	SPC J STEVENSON	04/02/1991
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, BASIC	G9S2	CPL L GOMEZ	SPC J STEVENSON	04/02/1991
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, MISC	G12S2	CPL L GOMEZ	SPC J STEVENSON	04/02/1991
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, MISC	G9S1	CPL L GOMEZ	SPC J STEVENSON	04/02/1991
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, MISC	G9S2	CPL L GOMEZ	SPC J STEVENSON	04/02/1991
PTCA38520802	TCA-3852	MC1-1B	GORE SECTION, PATCH, MISC	G9S2	CPL L GOMEZ	SPC J STEVENSON	04/02/1991
PTCA43290802	TCA-4329	MC1-1B	GORE SECTION, DARN	G24S2	CPL L GOMEZ	SPC J ALMEIDARAMIREZ	04/02/1991
PTCA43290802	TCA-4329	MC1-1B	GORE SECTION, PATCH, BASIC	G23S3	CPL L GOMEZ	SPC J ALMEIDARAMIREZ	04/02/1991
PDA2042030594	DA-78-204203	MC1-1B	GORE SECTION, DARN	G23S2	SPC J ALMEIDARAMIREZ	CPL C CARSON	04/24/1991
PDA2042030594	DA-78-204203	MC1-1B	GORE SECTION, PATCH, BASIC	G12S2	SPC J ALMEIDARAMIREZ	CPL C CARSON	04/24/1991
PDA2042030594	DA-78-204203	MC1-1B	GORE SECTION, PATCH, BASIC	G17S1	SPC J ALMEIDARAMIREZ	CPL C CARSON	04/24/1991
PDA2042030594	DA-78-204203	MC1-1B	GORE SECTION, PATCH, BASIC	G18S2	SPC J ALMEIDARAMIREZ	CPL C CARSON	04/24/1991
PDA2042030594	DA-78-204203	MC1-1B	GORE SECTION, PATCH, BASIC	G22S5	SPC J ALMEIDARAMIREZ	CPL C CARSON	04/24/1991
PDA2042030594	DA-78-204203	MC1-1B	GORE SECTION, PATCH, BASIC	G24S2	SPC J ALMEIDARAMIREZ	CPL C CARSON	04/24/1991
PDA2045740993	DA-79-204574	MC1-1B	ANTI-INVERSION NET, REPAIR	L16	SPC J STEVENSON	CPL C CARSON	04/24/1991
PDA2045740993	DA-79-204574	MC1-1B	ANTI-INVERSION NET, REPAIR	L19	SPC J STEVENSON	CPL C CARSON	04/24/1991
PDA2045740993	DA-79-204574	MC1-1B	ANTI-INVERSION NET, REPAIR	L9	SPC J STEVENSON	CPL C CARSON	04/24/1991
PDA2045740993	DA-79-204574	MC1-1B	VENT CAP, REPLACE		SPC J STEVENSON	CPL C CARSON	04/24/1991
PDA2416470496	DA-79-241647	MC1-1B	GORE SECTION, PATCH, BASIC	G9S5	SPC J STEVENSON	SPC J ALMEIDARAMIREZ	04/24/1991
PDA2416470496	DA-79-241647	MC1-1B	VENT CAP, REPLACE		SPC J STEVENSON	SPC J ALMEIDARAMIREZ	04/24/1991
PDA2427661293	DA-80-242766	MC1-1B	ANTI-INVERSION NET, REPAIR	L18	SPC J STEVENSON	CPL C CARSON	04/24/1991

----- END OF REPORT ----- 23 PARACHUTE REPAIRS

REPAIRER : # REPAIRS

CPL L GOMEZ	10
SPC J ALMEIDARAMIREZ	6
SPC J STEVENSON	7

INSPECTOR : # REPAIRS

CPL C CARSON	11
SPC J ALMEIDARAMIREZ	4
SPC J STEVENSON	8

TYPES AND NUMBERS OF REPAIRS

ANTI-INVERSION NET, REPAIR	4
GORE SECTION, DARN	2
GORE SECTION, PATCH, BASIC	11
GORE SECTION, PATCH, MISC	4
VENT CAP, REPLACE	2

DATE : # REPAIRS

04/02/1991	10
04/24/1991	13

BAR CODE: PDA2042030594  
SERIAL NUMBER: DA-78-204203  
TYPE PARACHUTE: MC1-1B  
MANUFACTURE DATE: 09/01/1978  
SERVICE DATE: 05/01/1982  
OUT OF SERVICE DATE: 05/01/1994  
MANUFACTURER: PIONEER  
CONTRACT NUMBER: DAAJ01-78-C-0303

TYPE OF REPAIR	GORE/SEC		REPAIRER	REPAIR DATE
	OR LINE#	INSPECTOR		
GORE SECTION, PATCH, BASIC	G12S2	CPL C CARSON	SPC J ALMEIDARAMIREZ	04/24/1991
GORE SECTION, PATCH, BASIC	G17S1	CPL C CARSON	SPC J ALMEIDARAMIREZ	04/24/1991
GORE SECTION, PATCH, BASIC	G18S2	CPL C CARSON	SPC J ALMEIDARAMIREZ	04/24/1991
GORE SECTION, PATCH, BASIC	G22S5	CPL C CARSON	SPC J ALMEIDARAMIREZ	04/24/1991
GORE SECTION, PATCH, BASIC	G24S2	CPL C CARSON	SPC J ALMEIDARAMIREZ	04/24/1991
GORE SECTION, DARN	G23S2	CPL C CARSON	SPC J ALMEIDARAMIREZ	04/24/1991

----- END OF REPORT ----- THIS PARACHUTE HAS HAD 6 REPAIRS

MISS	#	DATE	DROP ZONE	AIRCRAFT	DEPARTURE	UNIT	SURF	WIND	VIS	TYPE	-----
					AIRFIELD	AIRLIFTED	KNT MI	OPERATION	STATUS		
003	04/20/1991		NAME: TURNER	TYPE: C130	MOORE	2ND BN 10TH	3	3	STATIC LINE	COMPLETED	
			LOCATION: DEVENS	SERIAL #: 40501							
			ELEV (FT): 250	ALTITUDE (FT): 1250							
			ENVIRONMENT: GRASS, SHRUBS	SPEED (KNTS): 130							
			PARACHUTE BAR CODE	SERIAL NUMBER	TYPE	PARACHUTE					
			-----	-----	-----	-----					
			PDA1672780993	DA-77-167278	MC1-1B						
			PDA1957410393	DA-78-195741	MC1-1B						
			PDA1958110493	DA-78-195811	MC1-1B						
			PDA1972290494	DA-78-197229	MC1-1B						
			PDA2041700993	DA-78-204170	MC1-1B						
			PDA2042030594	DA-78-204203	MC1-1B						
			PDA2045740993	DA-79-204574	MC1-1B						
			PDA2046160894	DA-78-204616	MC1-1B						
			PDA2053780595	DA-78-205378	MC1-1B						
			PDA2419050596	DA-79-241905	MC1-1B						
			PDA2428241293	DA-80-242824	MC1-1B						
			PDA2456980395	DA-80-245698	MC1-1B						
			PDA542560897	DA-83-54256	MC1-1B						
			PDA543181295	DA-83-54318	MC1-1B						
			PTCA37660802	TCA-3766	MC1-1B						
			PTCA37840802	TCA-3784	MC1-1B						
			PTCA37970802	TCA-3797	MC1-1B						
			PTCA38200802	TCA-3820	MC1-1B						
			PTCA38840802	TCA-3884	MC1-1B						
			PTCA39170802	TCA-3917	MC1-1B						
			PTCA41760802	TCA-4176	MC1-1B						
			PTCA42010802	TCA-4201	MC1-1B						
			PTCA42110802	TCA-4211	MC1-1B						
			PTCA43010802	TCA-4301	MC1-1B						
			PTCA43260802	TCA-4326	MC1-1B						
			PTCA43300802	TCA-4330	MC1-1B						
			PTCA43350802	TCA-4335	MC1-1B						
			PTCA43490802	TCA-4349	MC1-1B						
			PTCA43570802	TCA-4357	MC1-1B						

----- END OF REPORT ----- 29 PARACHUTES ISSUED FOR THIS MISSION

BAR CODE: PDA2042030594  
SERIAL NUMBER: DA-78-204203  
TYPE PARACHUTE: MC1-1B  
MANUFACTURE DATE: 09/01/1978  
SERVICE DATE: 05/01/1982  
OUT OF SERVICE DATE: 05/01/1994  
MANUFACTURER: PIONEER  
CONTRACT NUMBER: DAAJ01-78-C-0303

MISS #	DATE	DROP ZONE	AIRCRAFT	DEPARTURE AIRFIELD	UNIT AIRLIFTED	SURF			TYPE	STATUS
						WIND KNT	VIS MI	OPERATION		
002	04/16/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1250 SPEED (KNTS): 130	MOORE	3RD BN 10TH	4	3	STATIC LINE	COMPLETED	
003	04/20/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: 40501 ALTITUDE (FT): 1250 SPEED (KNTS): 130	MOORE	2ND BN 10TH	3	3	STATIC LINE	COMPLETED	
005	06/27/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 200 ENVIRONMENT: GRASS, SHRUBS	TYPE: UH-60 SERIAL #: ALTITUDE (FT): 1500 SPEED (KNTS): 90	MOORE	HSC, 2nd, 10th SF	0	30	STATIC LINE	COMPLETED	

----- END OF REPORT ----- THIS CHUTE HAS BEEN USED 3 TIMES

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08/08/199  
PAGE:

SORTED BY: MISSION DATE

MISS	#	DATE	DROP ZONE	AIRCRAFT	DEPARTURE AIRFIELD	UNIT AIRLIFTED	SURF		
							WIND KNT	VIS MI	TYPE OPERATION
001	04/16/1991		NAME: PANTHER LOCATION: DRUM ELEV (FT): 560 ENVIRONMENT: TREES, ROCKS	TYPE: C130 SERIAL #: ALTITUDE (FT): 800 SPEED (KNTS): 125	WHEELER	10TH MTN DIV	10 10	STATIC LINE	COMPLETED
002	04/16/1991		NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1250 SPEED (KNTS): 130	MOORE	3RD BN 10TH	4 3	STATIC LINE	COMPLETED
003	04/20/1991		NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: 40501 ALTITUDE (FT): 1250 SPEED (KNTS): 130	MOORE	2ND BN 10TH	3 3	STATIC LINE	COMPLETED
004	05/16/1991		NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1500 SPEED (KNTS): 130	MOORE	10th SFG	11 7	STATIC LINE	COMPLETED
005	06/27/1991		NAME: TURNER LOCATION: DEVENS ELEV (FT): 200 ENVIRONMENT: GRASS, SHRUBS	TYPE: UH-6 SERIAL #: ALTITUDE (FT): 1500 SPEED (KNTS): 90	MOORE	HSC, 2nd, 10th SF	0 30	STATIC LINE	COMPLETED
006	07/10/1991		NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1200 SPEED (KNTS): 130	MOORE	10th SFG(A)	6 25	STATIC LINE	COMPLETED
007	07/24/1991		NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1200 SPEED (KNTS): 130	MOORE	10th SFG(A)	5 25	STATIC LINE	COMPLETED

----- END OF REPORT ----- 7 MISSIONS LISTED

SORTED BY: DZ LOCATION

MISS #	DATE	DROP ZONE	AIRCRAFT	DEPARTURE AIRFIELD	UNIT AIRLIFTED	SURF		
						WIND KNT	VIS MI	TYPE OPERATION
002	04/16/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1250 SPEED (KNTS): 130	MOORE	3RD BN 10TH	4	3 STATIC LINE	COMPLETED
003	04/20/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: 40501 ALTITUDE (FT): 1250 SPEED (KNTS): 130	MOORE	2ND BN 10TH	3	3 STATIC LINE	COMPLETED
004	05/16/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1500 SPEED (KNTS): 130	MOORE	10th SFG	11	7 STATIC LINE	COMPLETED
005	06/27/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 200 ENVIRONMENT: GRASS, SHRUBS	TYPE: UH-6 SERIAL #: ALTITUDE (FT): 1500 SPEED (KNTS): 90	MOORE	HSC, 2nd, 10th SF	0	30 STATIC LINE	COMPLETED
006	07/10/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1200 SPEED (KNTS): 130	MOORE	10th SFG(A)	6	25 STATIC LINE	COMPLETED
007	07/24/1991	NAME: TURNER LOCATION: DEVENS ELEV (FT): 250 ENVIRONMENT: GRASS, SHRUBS	TYPE: C130 SERIAL #: ALTITUDE (FT): 1200 SPEED (KNTS): 130	MOORE	10th SFG(A)	5	25 STATIC LINE	COMPLETED
001	04/16/1991	NAME: PANTHER LOCATION: DRUM ELEV (FT): 560 ENVIRONMENT: TREES, ROCKS	TYPE: C130 SERIAL #: ALTITUDE (FT): 800 SPEED (KNTS): 125	WHEELER	10TH MTN DIV	10	10 STATIC LINE	COMPLETED

----- END OF REPORT ----- 7 MISSIONS LISTED

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Forger, Gary, "A course-in-print: Bar code system basics," Modern Materials Handling, pp. 51-62, September 1989.

Grieco, Peter; Gozzo, Michael; Long, C.J.; Behind Bars: Bar Coding Principles and Applications, PT Publications, Inc., Palm Beach Gardens, Florida, 1989.

Kwan, Stephen, "Design of an Automated Parachute Tracking and Management System," San Jose State University, San Jose, CA, prepared for the U.S. Army Natick Research, Development and Engineering Center, Natick, MA, April 1991.

Zwiep, Donald; Coggin, Mark; "Parachute Packing Operational Evaluation," Manufacturing Engineering Applications Center, Worcester Polytechnic Institute (WPI), Worcester, MA prepared for the U.S. Army Natick Research, Development and Engineering Center, Natick, MA, July 1988.